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FORTY-EIGHTH

# Coal Report of Illinois

1929

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LOUIS L. EMMERSON, Governor



DEPARTMENT OF MINES  
AND MINERALS

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JOHN G. MILLHOUSE, Director  
Springfield

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## LETTER OF TRANSMITTAL

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STATE OF ILLINOIS,  
DEPARTMENT OF MINES AND MINERALS,  
SPRINGFIELD, ILL., July 1, 1930.

*Honorable LOUIS L. EMMERSON, Governor of Illinois.*

SIR: I have the honor to submit herewith the Forty-eighth Annual Coal Report of the State for the year ended December 31, 1929, together with the reports of other divisions of the Department of Mines and Minerals.

Respectfully submitted,  
JOHN G. MILLHOUSE, *Director.*





LOUIS L. EMMERSON  
*Governor*



## DEPARTMENT OF MINES AND MINERALS

JOHN G. MILLHOUSE, *Director*.

PETER JOYCE, *Assistant Director*.

---

### STATE MINING BOARD

JOHN G. MILLHOUSE, *Director*, Springfield.

M. S. COLEMAN, Harrisburg.

FRED S. PFAHLER, Gillespie.

F. M. DEVLIN, West Frankfort.

S. E. REDPATH, Springfield.

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### MINERS' EXAMINING BOARD

WILLIAM HALL, *President*, Springfield.

JOHN MULLIGAN, *Secretary*, Decatur.

ROBERT CLEM, Herrin.

MATT KLOEVER, JR., Pana.

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### MINE RESCUE AND FIRST-AID SUPERINTENDENTS

La Salle Station, ALEXANDER SKELTON.

Springfield Station, JAMES CLUSKER.

Benton Station, WALTER ANDERSON.

Eldorado Station, FRANK PATTERSON.

Duquoin Station, JAMES ROBERTSON.

Herrin Station, THOMAS ROGERS.

Belleville Station, FRED W. GRAMLICH.

Johnston City Station, BLAND D. STUTSMAN.





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## STATE INSPECTORS OF MINES

---

First District—Bureau, Grundy, Henry, LaSalle, Livingston, Mercer, Putnam, Rock Island and Will Counties.

PETER FALETTI, *Inspector*, Dalzell.

Second District—Logan, McLean, Marshall, Peoria, Stark, Tazewell and Woodford Counties.

WILLIAM E. KIDD, *Inspector*, Peoria.

Third District—Adams, Brown, Cass, Fulton, Hancock, Knox, McDonough, Schuyler and Warren Counties.

THOMAS P. BACK, *Inspector*, Canton.

Fourth District—Christian, Menard, Morgan, Pike, Sangamon and Scott Counties.

THOMAS HUNTER, *Inspector*, Springfield.

Fifth District—Edgar, Macon, Moultrie and Vermilion Counties.

FRED T. HODGES, *Inspector*, Danville.

Sixth District—Greene, Jersey, Macoupin, Montgomery and Shelby Counties.

JOHN K. FRASER, *Inspector*, Carlinville.

Seventh District—Bond, Madison and Marion Counties.

HENRY D. THOMPSON, *Inspector*, Collinsville.

Eighth District—Clinton, Monroe and St. Clair Counties.

JAMES R. RICHARDS, *Inspector*, Belleville.

Ninth District—Jackson, Perry, Randolph and Washington Counties.

EDWARD S. FLYNN, *Inspector*, Duquoin.

Tenth District—Franklin and Jefferson Counties.

JAMES SNEDDON, *Inspector*, Valier.

Eleventh District—Gallatin, Saline, Wabash and White Counties.

GEORGE BAGWILL, *Inspector*, Harrisburg.

Twelfth District—Johnson and Williamson Counties.

ARTHUR W. PLUMLEE, *Inspector*, Cambria.

PATRICK GILLEN, *Inspector-at-Large*, Springfield.

*Economic Investigation*

W. L. MORGAN, *Investigator*, Greenville.

*Fluorspar Inspection*

EDWARD S. SMITH, *Inspector*, Rosiclare.



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# **FORTY-EIGHTH ANNUAL COAL REPORT.**

## **INTRODUCTION.**

In presenting the Forty-eighth Annual Coal Report, we desire to call the attention of the public, especially those directly interested, to some comparisons with last year.

Mines.	1928		1929		Increase (+), decrease (—)	
	Mines.	Tons.	Mines.	Tons.	Mines.	Tons.
Shipping.....	206	54,284,184	200	59,075,995	—6	+4,791,811
Local.....	651	1,926,898	603	2,051,764	—48	+124,866
Total.....	857	56,211,082	803	61,127,759	—54	+4,916,677

This comparison shows a decrease in the number of shipping mines of 6 and local mines 48. The output of shipping mines was increased 8.8 per cent and 6.5 per cent in the local mines. The increased tonnage in the shipping mines is accounted for by the increased working time. Last year this class of mines averaged 162 days while the year before the average was 150. However, the increase in output of the local mines cannot be accounted for on this basis, as these mines average one day more in 1928 than in 1929, as will be shown in the following table:

## **WORKING TIME.**

Mines.	Average days worked.		Increase (+). Decrease (—).
	1928	1929	
Shipping.....	150	162	+12
Local.....	126	125	—1

A comparison of the number employed at the mines is given below:

Mines.	Employees.		
	1928	1929	Decrease.
Shipping.....	61,154	54,721	6,433
Local.....	4,354	3,875	479
Total.....	65,508	58,596	6,912

This table shows 6,433 less employees in the shipping mines than were reported last year and may be explained by the increased use of loading machines. But, again, we are at a loss to account for the increased tonnage in the local mines with fewer men and less working time, unless it be a fact, of which we have no record, that some of the largest mines in the local class, have put in mechanical devices for handling coal, thus reducing the number of men.

#### MECHANICAL LOADING IN SHIPPING MINES.

A notable increase over last year in mechanical loading, both in the number of mines and in the number of machines used, may be seen in the following table:

Year.	Mines using loading machines.			
	Loading entire output.		Total.	
	Mines using.	Machines used.	Mines using.	Machines used.
1929.....	22	603	73	2,128
1928.....	17	177	54	992
Increase.....	5	426	19	1,136

This comparison shows an increase of 35% in the number of mines using mechanical loading machines and 114.7% in the number of machines used. In 1928, seventeen mines loaded the entire output mechanically, using 177 machines, and in 1929, twenty-two mines using 603 machines, handled their output in this way.

Attention is called to the following tables showing a comparison of the accidents with last year:

#### FATAL AND NON-FATAL ACCIDENTS.

Mines.	Fatal.		Non-fatal.		Increase (+), decrease (-).	
	1928	1929	1928	1929	Fatal.	Non-fatal.
Shipping.....	127	103	5,838	6,479	-24	+641
Local.....	12	6	147	142	-6	-5
Total.....	139	109	5,985	6,621	-30	+636

#### TONS OF COAL MINED TO EACH.

Mines.	Fatal accident.		Non-fatal accident.		Increase (+), decrease (-).	
	1928	1929	1928	1929	Fatal.	Non-fatal.
Shipping.....	427,435	573,553	9,300	9,118	+146,118	-182
Local.....	160,575	341,961	13,108	14,449	+181,386	+1,341
Total State.....	404,396	560,805	9,392	9,232	+156,409	-160



## NUMBER OF EMPLOYEES TO EACH.

Mines.	Fatal accident.		Non-fatal accident.		Increase (+), decrease (-).	
	1928	1929	1928	1929	Fatal.	Non-fatal.
Shipping.....	482	531	10	9	+49	-1
Local.....	363	646	30	27	+283	-3
The State.....	471	538	11	9	+67	-2

The decrease in the number of fatal accidents and the great increase in the number of tons mined per fatality is very encouraging. No doubt the training given at our Mine Rescue Stations in rescue and safety methods has contributed largely to this result.

The increase in the coal production of this year over the previous year must be attributed, in a large measure, to the fact that the Illinois miners agreed to a modification of the Jacksonville agreement. The new agreement enabled the coal operators to regain some of their former markets and also to compete favorably with the coal that was produced outside of Illinois.

Supplementing the action of the Illinois miners to save their industry, was the powerful appeal made by Governor Emmerson to coal dealers and citizens of the State in general to purchase Illinois coal exclusively.

Credit must also be given to the Illinois Coal Sales Association for the splendid work done in stressing the importance, especially to manufacturers, of buying and using Illinois coal only, for the general prosperity of the State.

An optimistic view of the situation, we believe, is justified, that in a comparatively short time, the industry as a whole will be back to normalcy.

## SUMMARY.

Number of counties producing coal.....	51
Number of mines operated.....	803
Number of shipping mines.....	200
Number of local mines.....	603
Output of all mines.....	61,127,759
Output of shipping mines.....	59,075,995
Output of local mines.....	2,051,764
Average days worked in shipping mines.....	162
Average days worked in local mines.....	125
Number of mining machines used.....	2,026
Tons undercut by machines.....	46,642,157
Tons mined by hand.....	9,135,359
Tons mined in strip mines.....	5,350,245
Number of mechanical loading machines used.....	2,128
Tons loaded mechanically.....	17,830,368
Number of motors used.....	1,281
Number of animals underground.....	1,933
Number employed in shipping mines.....	54,721
Number employed in local mines.....	3,875
Powder used for blasting coal—kegs.....	618,825
Pellet powder used—pounds.....	2,356,129
Dynamite used—pounds.....	425,602
Permissible explosives used—pounds.....	3,909,675
Number of fatal accidents.....	109
Number of men injured (loss of 7 or more days).....	6,621
Tons mined to each life lost.....	560,805
Number employed to each life lost.....	538
Number killed to 1,000 employed.....	1.8
Tons mined to each man injured.....	9,232
Number injured to 1,000 employed.....	113
Number of mines using open lights.....	159
Number of mines using closed lights.....	23
Number of mines rock-dusted.....	30

TABLE 1—CLASSIFICATION OF MINES BY DISTRICTS.

District.	All mines.			Shipping mines.			Local mines.		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
First.....	70	1,995	1,827,661	9	1,368	1,468,025	61	627	359,636
Second.....	96	2,790	2,373,148	12	2,125	1,918,281	84	665	454,867
Third.....	224	1,914	1,991,012	9	1,213	1,750,038	215	715	240,974
Fourth.....	49	8,524	8,018,291	20	8,118	7,815,219	29	405	203,072
Fifth.....	81	3,593	3,193,589	10	3,117	2,891,333	71	476	302,256
Sixth.....	26	4,974	6,986,034	13	4,908	6,974,363	13	66	11,671
Seventh.....	21	3,538	3,492,710	16	3,447	3,431,199	5	91	61,511
Eighth.....	52	3,758	3,346,254	32	3,447	3,130,415	20	331	215,869
Ninth.....	63	4,284	5,607,881	21	4,011	5,489,701	42	273	118,180
Tenth.....	18	12,287	14,819,448	18	12,287	14,819,448	-----	-----	-----
Eleventh.....	47	4,964	4,196,839	14	4,837	4,164,332	33	107	32,507
Twelfth.....	56	5,962	5,274,862	26	5,843	5,223,641	30	119	51,221
Total.....	803	58,583	61,127,759	200	54,721	59,075,995	603	3,875	2,051,764

TABLE 2—NUMBER OF MINES OPERATED, MEN EMPLOYED, DAYS WORKED, TONS PRODUCED, AVERAGE TONS PER DAY AND AVERAGE TONS PER MAN PER DAY, EACH YEAR, 1882-1929.

Year.	Mines operated.	Men employed.	Average days worked.	Tons produced.	Average tons per day.	Average tons per man per day.
1882	704	20,350	190	9,115,653	47,977	2.4
1883	637	23,805	195	10,016,981	51,369	2.2
1884	739	25,270	204	10,037,004	49,201	1.9
1885	778	25,946	200	11,834,543	59,178	2.3
1886	786	25,726	185	9,216,499	49,819	1.9
1887	801	26,804	190	10,244,278	53,917	2.0
1888	833	29,410	194	11,827,975	60,969	2.1
1889	851	30,400	189	11,597,964	61,365	2.0
1890	811	28,509	175	12,637,087	72,212	2.5
1891	898	32,950	192	15,660,187	81,563	2.8
1892	833	33,776	191	17,861,974	93,518	2.8
1893	779	34,374	201	19,949,144	99,244	2.9
1894	822	38,442	173	17,109,224	98,897	2.6
1895	844	38,609	178	17,729,624	99,605	2.6
1896	868	36,947	172	19,786,422	115,037	3.1
1897	853	33,788	169	20,072,727	118,773	3.5
1898	881	34,931	165	18,599,299	112,723	3.3
1899	889	36,978	181	23,434,445	129,472	3.5
1900	920	39,413	183	25,153,929	137,453	3.5
1901	915	44,123	174	26,631,527	153,055	3.5
1902	915	46,040	177	30,016,189	169,583	3.7
1903	930	49,776	192	34,950,600	182,034	3.7
1904	932	54,773	185	37,077,897	200,421	3.7
1905	990	59,230	167	37,183,374	222,655	3.8
1906	1,018	62,283	177	38,317,581	216,433	3.5
1907	933	66,714	180	47,798,621	265,548	4.0
1908	922	70,841	180	49,277,452	273,763	3.9
1909	886	72,923	177	49,163,135	277,758	3.8
1910	881	74,634	172	48,717,853	283,243	3.8
1911	845	77,410	165	50,165,103	304,031	3.9
1912	879	79,441	160	57,514,240	359,464	4.5
1913	840	79,447	170	61,846,204	363,801	4.6
1914	796	80,035	162	60,711,995	374,765	4.7
1915	779	75,607	158	57,601,692	364,517	4.8
1916	803	75,919	163	63,673,520	390,635	5.1
1917	810	80,893	179	78,983,524	441,250	5.4
1918	966	91,370	183	89,978,775	491,687	5.4
1919	937	90,897	160	75,099,360	469,371	5.2
1920	938	88,102	159	73,920,453	461,909	5.3
1921	1,035	95,723	152	80,121,948	527,118	5.5
1922	1,133	98,681	134	63,276,827	472,215	4.8
1923	1,136	103,566	146	75,514,095	517,220	5.0
1924	1,032	99,765	140	72,308,665	516,490	5.2
1925a	913	76,697	204	103,186,166	505,815	6.6
1926	921	77,732	131	69,813,255	532,925	6.9
1927	906	78,572	119	46,949,700	394,535	5.0
1928	857	65,508	132	56,211,082	425,841	6.5
1929	803	58,583	133	61,127,759	459,607	7.3

TABLE 3—CLASSIFICATION OF MINES BY OUTPUT.

Mines producing—	Shipping mines.			Local mines.			All mines.		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
Less than 10,000 tons	16	598	79,559	563	2,496	806,758	579	3,094	886,317
10,000 but less than 50,000	29	1,996	878,852	32	802	585,050	61	2,798	1,463,902
50,000 but less than 100,000	31	4,200	2,171,540	6	338	388,376	37	4,538	2,559,916
100,000 but less than 200,000	32	6,161	4,658,608	2	239	271,580	34	6,400	4,930,188
200,000 but less than 300,000	23	5,601	5,724,900	-----	-----	-----	23	5,601	5,724,900
300,000 but less than 400,000	14	4,379	5,027,034	-----	-----	-----	14	4,379	5,027,034
400,000 but less than 500,000	12	4,779	5,483,526	-----	-----	-----	12	4,779	5,483,526
500,000 but less than 600,000	9	3,690	4,903,225	-----	-----	-----	9	3,690	4,903,225
600,000 but less than 700,000	9	5,301	5,820,416	-----	-----	-----	9	5,301	5,820,416
700,000 but less than 800,000	8	4,615	5,995,835	-----	-----	-----	8	4,615	5,995,835
800,000 and over	17	13,401	18,332,500	-----	-----	-----	17	13,401	18,332,500
Total	200	54,721	59,075,995	603	3,875	2,051,764	803	58,596	61,127,759

TABLE 4—CLASSIFICATION OF MINES BY NUMBER OF MEN EMPLOYED.

Mines employing—	Shipping mines.			Local mines.			All mines.		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
Less than 25 men	11	178	61,992	582	2,723	1,236,789	593	2,901	1,298,781
25 but less than 50	16	635	518,924	12	427	189,749	28	1,062	708,673
50 but less than 100	32	2,385	2,998,902	6	376	289,130	38	2,761	3,288,032
100 but less than 200	44	6,210	7,427,731	3	349	336,096	47	6,559	7,763,827
200 but less than 300	31	7,362	6,963,877	-----	-----	-----	31	7,362	6,963,877
300 but less than 400	19	6,689	6,755,461	-----	-----	-----	19	6,689	6,755,461
400 but less than 500	12	5,231	5,434,950	-----	-----	-----	12	5,231	5,434,950
500 but less than 600	6	3,391	3,866,969	-----	-----	-----	6	3,391	3,866,969
600 but less than 700	9	5,741	6,142,801	-----	-----	-----	9	5,741	6,142,801
700 but less than 800	9	6,534	7,731,387	-----	-----	-----	9	6,534	7,731,387
800 and over	11	10,365	11,173,001	-----	-----	-----	11	10,365	11,173,001
Total	200	54,721	59,075,995	603	3,875	2,051,764	803	58,596	61,127,759

TABLE 5—CLASSIFICATION OF MINES BY DAYS WORKED.

Mines working—	Shipping mines.			Local mines.			All mines.		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
Less than 50 days	19	2,020	428,215	102	243	16,067	121	2,263	444,282
50 but less than 100	25	5,418	2,787,461	118	430	77,320	143	5,848	2,864,781
100 but less than 150	38	9,746	8,473,904	143	834	290,906	181	10,580	8,764,810
150 but less than 200	47	13,928	14,809,246	138	1,309	775,781	185	15,237	15,585,027
200 but less than 250	52	19,275	24,856,309	63	564	376,422	115	19,839	25,232,731
250 days and over	19	4,340	7,720,860	39	495	515,268	58	4,835	8,236,128
Total	200	54,727	59,075,995	603	3,875	2,051,764	803	58,602	61,127,759

TABLE 6—SHIPPING MINES, TONS MINED, AND RANK, EMPLOYEES, DAYS WORKED, AVERAGE DAILY PRODUCTION AND RANK.

Rank.	Operator.	Postoffice of mine.	County in which mine is located.	Tons produced.	Em- ployees.	Days worked.	Daily production.	
							Tons.	Rank.
1	C. W. & F. Coal Co., No. 2.	West Frankfort.	Franklin.	1,952,327	1,244	201	9,713	1
2	Ball & Zoller Coal Co., No. 1.	Zeigler.	Franklin.	1,448,364	720	244	5,986	6
3	Ball & Zoller Coal Co., No. 2.	Zeigler.	Franklin.	1,329,483	1,024	189	7,034	2
4	C. W. & F. Coal Co., No. 1.	Orient.	Franklin.	1,295,612	1,124	214	6,073	4
5	Superior Coal Co., No. 4.	Gillespie.	Macoupin.	1,050,000	628	248	4,234	18
6	Old Ben Coal Corp., No. 14.	Buckner.	Franklin.	1,036,366	712	264	3,926	21
7	Peabody Coal Co., No. 8.	Tovey.	Christian.	1,025,694	863	171	6,179	3
8	U. S. Fuel Co., "Bunsenville".	Georgetown.	Vernilion.	1,003,277	1,037	166	5,867	7
9	Indiana & Illinois Coal Corp., No. 10.	Nokomis.	Montgomery.	989,541	609	219	4,518	13
10	Peabody Coal Co., No. 7.	Kincaid.	Christian.	986,662	862	165	5,974	5
11	Old Ben Coal Corp., No. 8.	West Frankfort.	Franklin.	939,633	686	204	4,557	12
12	Old Ben Coal Corp., No. 15.	Ezra.	Franklin.	937,688	542	250	3,751	24
13	Pyramid Coal Co.	Packneyville.	Perry.	931,732	175	279	3,339	30
14	Peabody Coal Co., No. 18.	Gillespie.	Franklin.	919,639	859	208	4,421	14
15	Superior Coal Co., No. 3.	West Frankfort.	Macoupin.	850,118	717	168	5,060	8
16	Franklin County Coal Co., No. 7.	Royalton.	Franklin.	821,183	780	191	4,299	16
17	Valley Coal Co., No. 1.	Valley.	Franklin.	811,266	819	173	4,649	11
18	Franklin County Coal Co., No. 5.	Herrin.	Franklin.	796,919	720	228	3,495	28
19	Panther Creek Mines, Inc., No. 1.	Auburn.	Sangamon.	774,997	726	203	3,818	23
20	Peabody Coal Co., No. 43.	Harrisburg.	Saline.	763,777	705	182	4,192	19
21	Superior Coal Co., No. 2.	Gillespie.	Macoupin.	737,951	620	162	4,679	10
22	U. S. Fuel Co., Verm.	Gillespie.	Vernilion.	735,215	886	172	4,391	15
23	Superior Coal Co., No. 1.	Gillespie.	Macoupin.	736,797	400	242	3,044	35
24	Consolidated Coal Co., No. 15.	Mt. Olive.	Macoupin.	708,899	387	204	3,485	29
25	Northern Illinois Coal Co.	Wilmington.	Will.	701,280	171	302	2,323	52
26	Peabody Coal Co., No. 35.	Taylorville.	Christian.	686,338	597	192	3,575	26
27	United Electric Coal Co., No. 9.	Cuba.	Fulton.	675,479	104	271	2,493	47
28	Peabody Coal Co., No. 19.	West Frankfort.	Franklin.	673,698	603	223	3,021	36
29	Madison Coal Corp., No. 2.	Glen Carbon.	Madison.	665,587	581	211	3,159	33
30	Mt. Olive & Staunton Coal Co., No. 2.	Staunton.	Madison.	643,875	677	214	3,009	37
31	Union Colliery Co.	Dowd.	Jackson.	632,107	440	195	3,242	31
32	Madison Coal Corp., No. 12.	Camden.	Williamson.	624,944	750	146	4,280	17
33	Peabody Coal Co., No. 35.	Springfield.	Sangamon.	614,714	704	208	2,955	38
34	Peabody Coal Co., No. 47.	Harc.	Saline.	602,674	845	147	4,100	20
35	Cosgrove-Meelan Coal Co., No. 1.	Johnson City.	Williamson.	591,660	313	234	2,528	45
36	Peabody Coal Co., No. 9.	Langleyville.	Christian.	565,094	355	158	3,664	25
37	Peabody Coal Co., No. 31.	Springfield.	Sangamon.	560,163	561	222	2,512	46
38	Cosgrove-Meelan Coal Co., No. 5.	Panama.	Montgomery.	553,063	407	223	2,491	48

TABLE 6—Continued.

Rank	Operator.	Postoffice of mine.	County in which mine is located.	Tons produced.	Employees.	Days worked.	Daily production.	
							Tons.	Rank.
39	Crescent Coal Co., No. 6.....	Peoria.....	Peoria.....	546,867	423	286	1,912	63
40	Cosgrove-Meehan Coal Co., No. 3.....	Marion.....	Williamson.....	522,995	351	247	2,239	54
41	Wasson Coal Co., No. 1.....	Harrisburg.....	Saline.....	526,664	515	269	2,607	43
42	O'Gara Coal Co., No. 1.....	Harrisburg.....	Saline.....	517,656	620	169	3,063	34
43	Truax Truax Coal Co., "B. S.".....	Elkville.....	Jackson.....	509,133	145	248	2,053	58
44	O'Gara Coal Co., No. 12.....	Harrisburg.....	Saline.....	499,438	456	208	2,395	49
45	Greer-Clinch Coal Co.....	Duquoin.....	Perry.....	489,924	595	140	3,497	27
46	Old Ben Coal Co., No. 18.....	Johnston City.....	Williamson.....	487,152	802	99	4,819	9
47	Crescent Coal Co., No. 1.....	Peoria.....	Peoria.....	485,122	370	286	1,696	76
48	Peabody Coal Co., No. 24.....	Danville.....	Vermilion.....	479,692	481	183	2,627	42
49	Mine "B," Coal Co.....	Springfield.....	Sangamon.....	475,669	485	218	2,136	59
50	Lumaghi Coal Co., No. 2.....	Collinsville.....	Madison.....	473,688	333	166	2,554	40
51	Brewerton Coal Co., No. 21.....	West Frankfort.....	Franklin.....	439,111	310	231	1,901	64
52	United Electric Coal Co., No. 13.....	Freeburg.....	St. Clair.....	422,821	61	291	1,453	84
53	Peabody Coal Co., No. 51.....	Springfield.....	Sangamon.....	422,883	272	222	2,222	65
54	Carterville-Herrin Coal Co.....	Herrin.....	Williamson.....	409,613	346	233	1,904	65
55	Centralia Coal Co., No. 5.....	Centralia.....	Washington.....	405,118	208	215	1,763	72
56	Old Ben Coal Corp., No. 11.....	Christopher.....	Franklin.....	396,732	685	102	1,884	67
57	Franklin County Mining Co.....	Benton.....	Franklin.....	387,367	389	211	1,836	68
58	Truax Truax Coal Co., "Forsythie".....	Desoto.....	Jackson.....	386,799	135	217	1,783	71
59	Madison Coal Corp., No. 9.....	Calp.....	Williamson.....	381,418	408	277	2,158	57
60	Sunlight Coal Co.....	Verona.....	Grundy.....	380,383	310	285	1,369	88
61	Gayle Coal Co.....	Duquoin.....	Perry.....	374,288	83	237	1,456	83
62	Marion County Coal Co.....	Centralia.....	Marion.....	363,900	256	236	1,925	92
63	Canton Coal Co.....	Canton.....	Fulton.....	358,647	289	235	1,994	77
64	Madison Coal Corp., No. 5.....	Mt. Olive.....	Macoupin.....	347,154	298	258	1,944	77
65	Peabody Coal Co., No. 17.....	Edwardsville.....	Madison.....	345,026	324	197	2,040	76
66	Consolidated Coal Co., No. 7.....	Stanton.....	Macoupin.....	343,182	259	230	2,138	55
67	Hillsboro Coal Co.....	Hillsboro.....	Montgomery.....	324,645	270	238	1,458	86
68	Central Illinois Coal Mining Co.....	Springfield.....	Montgomery.....	324,645	270	238	1,458	86
69	Consolidated Coal Co., No. 7.....	Herrin.....	Williamson.....	313,584	246	215	1,323	80
70	Gara Coal Co., No. 3.....	Harrisburg.....	Saline.....	299,073	372	167	2,931	31
71	Perry Coal Co., "Perry".....	Coulterville.....	Perry.....	297,073	247	219	2,031	29
72	St. W. & F. Coal Co., "A".....	Herrin.....	Williamson.....	282,781	265	190	1,553	101
73	St. Louis & Fulton Coal Co., No. 2.....	East St. Louis.....	St. Clair.....	281,457	205	118	2,988	50
74	O'Gara Coal Co., No. 10.....	Edwardsville.....	Saline.....	280,789	433	184	1,429	82
75	Aluminum Ore Co.....	Bellefonte.....	St. Clair.....	279,473	473	141	1,907	60
76	Dorthel Coal Co., No. 2.....	Franklin.....	St. Clair.....	274,204	249	276	1,913	112
77	Interstate Coal Co., No. 22.....	Sesser.....	Fulton.....	264,381	255	238	1,152	104
			Franklin.....			148	1,790	69

78	Gillespie Coal Co.	Gillespie	251,004	191	213	1,225	99
79	New Stanton Coal Co.	Livingston	290,134	401	99	2,047	41
80	J. K. Dering Coal Co., No. 2	Saline	256,968	216	199	1,291	96
81	Moffat Coal Co.	Randolph	251,066	376	96	2,536	44
82	Scottsboro Coal Co.	Marion	242,469	65	171	1,418	87
83	Peabody Coal Co., No. 53	Springfield	259,185	259	138	1,733	73
84	Security Coal & Mining Co., No. 1	Duquoin	237,382	264	172	1,385	89
85	Peabody Coal Co., No. 24	Johnston City	237,146	205	209	1,135	105
86	Southern Coal, Coke & Mining Co., No. 9	New Baden	223,708	144	78	1,554	78
87	Southern Coal, Coke & Mining Co., No. 7	Belleville	221,137	227	172	1,228	98
88	Perry Coal Co., "Taylor"	O'Fallon	212,901	145	234	910	117
89	Panther Creek Mines, Inc., No. 4	Springfield	210,062	317	147	1,429	86
90	United Electric Coal Co., No. 1	Danville	209,986	105	178	1,179	100
91	Perfection Coal Co.	Duquoin	205,985	50	196	1,051	110
92	Pocalontas Mining Co.	Pocalontas	205,688	100	189	1,088	108
93	Crescent Coal Co.	Peoria	199,179	198	216	922	116
94	Penwell Coal Co.	Pana	193,839	344	99	1,958	61
95	Galesburg Mining Co.	Galesburg	191,821	182	245	781	129
96	Black Star Coal Co.	Logan	191,379	166	150	1,275	97
97	Sangamon Coal Co.	Springfield	189,709	360	145	1,308	94
98	Breese-Trenton Coal Co., "N"	Breese	189,228	155	171	1,107	106
99	Pana Coal Co., No. 1	Pana	182,837	190	231	792	119
100	Lake Erie Mining Co.	Christian	181,671	153	247	731	123
101	St. Louis Coal & Iron Co.	Tazewell	175,269	92	287	610	133
102	Odin Coal Co.	Peoria	173,803	203	249	698	124
103	Old Ben Coal Corp., No. 12	Odin	173,735	613	55	3,159	32
104	United Electric Coal Co., No. 14	Christopher	172,648	144	234	739	122
105	St. Louis Coal Co.	Danville	158,449	262	92	1,222	74
106	United Electric Coal Co., No. 11	Coulterville	145,125	200	61	2,379	51
107	Grewerton Coal Co., No. 32	Duquoin	137,234	270	260	528	140
108	Coal Stripping Co., No. 32	Lincoln	134,397	55	116	1,163	102
109	Peabody Coal Co., No. 25	Marion	133,727	243	75	1,783	79
110	Macon county Coal Co.	Cartersville	130,159	276	193	673	127
111	Breese-Trenton Coal Co., "E-B"	Decatur	129,907	199	126	1,031	111
112	Groom Coal Co.	Breese	129,063	84	208	621	131
113	Harrisburg Coal Mining Co., No. 8	Belleville	128,383	69	92	1,365	88
114	Harrisburg Coal Mining Co., No. 3	Harrisburg	126,797	95	185	663	125
115	Panther Creek Mines, Inc., No. 3	East St. Louis	123,206	305	94	1,311	92
116	Sinclairy Bituminous Coal Co.	Springfield	115,285	129	261	403	164
117	Clarksville Bituminous Coal Co.	Merrin	113,314	110	231	495	142
118	Harrisburg Coal Mining Co., No. 9	Nashville	110,691	80	85	1,204	132
119	Wilson C. & M. Co.	Harrisburg	108,216	93	166	658	128
120	LaSalle County Carbon Coal Co., No. 1	Cudde	108,089	292	233	406	144
121	Brewerton Coal Co., No. 45	Jonesville	106,359	190	196	641	130
122	Dorthol Coal Co., No. 1	Perry	102,451	201	195	648	138
123	Carbon Fuel Co.	Peoria	100,111	245	92	1,083	152
124	Wasson Coal Co., No. 2	Marion	100,518	234	92	1,083	109
		Saline					
		Macoupin					
		Madison					
		Saline					
		Randolph					
		Williamson					
		Sangamon					
		Perry					
		Williamson					
		Clinton					
		St. Clair					
		Sangamon					
		Vermilion					
		Bond					
		Tazewell					
		Christian					
		Knox					
		Franklin					
		Sangamon					
		Clinton					
		Christian					
		Tazewell					
		Williamson					
		Marion					
		Franklin					
		Vermilion					
		Randolph					
		Perry					
		Logan					
		Williamson					
		Williamson					
		Macon					
		Clinton					
		St. Clair					
		Saline					
		St. Clair					
		Sangamon					
		Williamson					
		Washington					
		Saline					
		Perry					
		LaSalle					
		Perry					
		Peoria					
		Williamson					
		Saline					

TABLE 6—Concluded.

Rank.	Operator.	Postoffice of mine.	County in which mine is located.	Tons produced.	Em- ployees.	Days worked.	Daily production.	
							Tons.	Rank.
125	Freeman Coal Co.	Herrin	Williamson	99,335	383	43	2,310	53
126	Brewerton Coal Co., No. 81	Springfield	Sangamon	94,902	204	137	465	145
127	Illinois Zinc Co., No. 3	Peoria	LaSalle	92,619	178	250	371	157
128	Crescent Coal Co., No. 5	Peoria	Peoria	86,863	104	156	557	138
129	Perry Coal Co., "St. Ellen"	O'Fallon	St. Clair	83,117	112	205	1,433	153
130	Prux Truax Coal Co., "St. David"	St. David	Fulton	80,280	55	87	1,403	85
131	Bullock Mining Co.	Collinsville	Madison	80,274	87	185	148	148
132	Troy Mining Co.	Troy	Madison	79,030	133	130	608	134
133	Service Coal Co.	Bellefonte	St. Clair	78,510	85	247	318	166
134	Henderson-Valley Coal Co.	Marion	Williamson	77,712	46	221	351	160
135	LaSalle County Carbon Co., "Union"	Peru	LaSalle	74,548	199	162	460	146
136	Peabody Coal Co., No. 3	Riverton	Williamson	74,012	378	39	1,898	66
137	Peabody Coal Co., No. 2	Castlin	Vermilion	69,122	97	252	274	171
138	Taylor English Coal Co., No. 2	Pittsburg	Williamson	68,689	194	63	1,090	107
139	Cosgrove-Meade Coal Co., No. 2	Pittsburg	St. Clair	67,802	66	144	471	143
140	Golden Rule Coal Co.	Pittsburg	Williamson	67,082	101	108	621	132
141	Illinois Heritage Coal Co.	Farmington	Fulton	65,904	117	139	541	139
142	Dorland Coal Co., No. 3	Edwards	Peoria	65,311	93	158	411	151
143	Central West Coal Co.	Freeburg	St. Clair	63,625	216	46	1,383	90
144	McHenry Hill Coal Co.	Bellefonte	St. Clair	59,928	72	144	416	150
145	Ellington Coal Co., No. 2	Marissa	LaSalle	59,734	156	88	679	126
146	Jones Bros. Coal Co., No. 2	Springfield	LaSalle	59,444	243	62	959	115
147	Panther Creek Mines, Inc., No. 5	Bellefonte	St. Clair	59,212	46	175	226	175
148	LaSalle County "Superior"	LaSalle	Fulton	58,917	131	197	299	169
149	LaSalle Colliery Co.	Farmington	LaSalle	58,657	99	165	355	158
150	Illinois Colliery Co.	Danville	Vermilion	57,996	59	103	563	137
151	United Electric Coal Co., No. 12	Bellefonte	St. Clair	56,186	52	172	327	164
152	Southern C. & Mining Co., No. 6	Bellefonte	St. Clair	54,236	46	155	349	161
153	New National Coal Co.	Freeburg	St. Clair	54,093	100	107	505	141
154	Reichert Coal Co.	Minonk	Woodford	53,024	153	174	305	168
155	W. G. Sutton Coal Co.	Sparta	LaSalle	48,860	127	63	775	121
156	Sparks Coal Co.	Bellefonte	St. Clair	46,490	91	132	352	159
157	Guest Coal Co.	Collinsville	Madison	46,053	51	141	327	165
158	Collinsville Coal Corp.	Collinsville	Madison	44,875	44	189	237	174
159	Bunker Hill Coal Co.	Harrisburg	Saline	44,147	50	130	340	162
160	Blue Bird Coal Co., No. 1	Bellefonte	St. Clair	43,451	83	113	385	155
161	Quality Coal Co.	Canton	Fulton	42,339	95	137	309	167
162	Rawalt Coal Co.							



163	Ubben Coal Co.	Pekin.....	Tazewell.....	60	190	220	177
164	Summit Coal Co.	Belleville.....	St. Clair.....	53	167	245	173
165	Midland Electric Coal Co., No. 1.....	Atkinson.....	Henry.....	70	35	163	168
166	Moweaqua Coal Mining Co.	Moweaqua.....	Shelby.....	108	137	1, 272	170
167	Eldnar Coal Co.	Belleville.....	St. Clair.....	42	166	215	178
168	Josh Anderson Coal Co.	Norris City.....	White.....	113	78	449	147
169	Lyle Coal Co.	Marissa.....	St. Clair.....	96	50	576	136
170	Henrietta Coal Co., "Henrietta"	Edwardsville.....	Madison.....	40	166	179	179
171	Kolb Coal Co.	Mascoutah.....	St. Clair.....	116	30	999	114
172	McLaren Coal Co.	Cartersville.....	Williamson.....	29, 272	34	176	176
173	Perry Coal Co., "Carbon"	O'Fallon.....	St. Clair.....	29, 088	112	49	592
174	Delco Mining Co.	Swanwick.....	Perry.....	26, 549	33	805	118
175	City Lake Coal Co.	Herrin.....	Williamson.....	26, 051	47	230	113
176	Vinegar Hill Coal Co.	Leuzburg.....	Williamson.....	61	113	190	190
177	Jones Bros. Coal Mining Co., No. 1.....	Edinburg.....	St. Clair.....	54	64	339	163
178	H. F. Young Coal Co.	Marissa.....	St. Clair.....	16, 437	39	421	149
179	South Mine Coal Co.	Edinburg.....	Christian.....	14, 558	30	109	188
180	Fullerton Coal Co.	Carlinville.....	Macoupin.....	14, 466	34	124	117
181	Roanoke Coal Co., No. 1.....	Belleville.....	St. Clair.....	13, 014	28	151	181
182	Lou Nash Coal Co., No. 2.....	Roanoke.....	Woodford.....	11, 311	74	89	129
183	Hippard Coal Co.	Belleville.....	St. Clair.....	10, 956	50	41	267
184	McComb Coal Co.	Belleville.....	St. Clair.....	10, 852	18	121	186
185	Tregoning Coal Co.	Danville.....	Vermilion.....	10, 138	15	248	41
186	Saline Gas Coal Co., No. 4.....	Cartersville.....	Williamson.....	9, 900	11	180	51
187	Carlin Coal Co.	Equality.....	Gallatin.....	9, 348	25	374	156
188	Shuler Coal Co.	Bethalto.....	Madison.....	7, 950	18	150	53
189	E. Mapleton Coal Co.	Alpha.....	Henry.....	7, 927	69	130	61
190	Bailey Bros. Coal Co.	Peoria.....	Peoria.....	7, 451	26	113	166
191	Puritan Coal Co.	Duquoin.....	Perry.....	5, 675	13	120	47
192	Kolb Coal Co.	Johnston City.....	Williamson.....	5, 017	14	105	189
193	Henrietta Coal Co., "H. T."	Mascoutah.....	St. Clair.....	113	3	1, 537	81
194	East Side Coal Co., No. 1.....	Edwardsville.....	Madison.....	4, 312	41	123	185
195	Twin States Coal Co.	Edwardsville.....	Madison.....	4, 312	19	40	85
196	Pherry Coal Co.	Paris.....	Edgar.....	3, 390	17	180	191
197	Putnam Coal Co.	Cherry.....	Bureau.....	3, 106	18	172	180
198	Ohio Valley Coal Co.	Breeds.....	Fulton.....	3, 019	93	32	199
199	Ogmore Coal Co.	Marion.....	Williamson.....	2, 707	27	38	71
200	George Wilson Coal Co.	Cambria.....	Williamson.....	2, 290	47	15	147
		Sparta.....	Randolph.....	1, 801	21	44	138
				1, 150	14	56	200
Total.....				59, 075, 995	54, 721	364, 666	

TABLE 7—OUTPUT OF SHIPPING MINES

Number.	Name of operator.	Name, number or letter of shaft.	Post office address of mine.	Number of days in operation and tons of coal mined.							
				January.		February.		March.		April.	
				Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.
	BUREAU COUNTY—FIRST DISTRICT.										
1	Cherry Coal Co.....	No. 2	Cherry.....								
	GRUNDY COUNTY—FIRST DISTRICT.										
1	Sunlight Coal Co.....	No. 7	Verona.....	25	35,953	24	35,925	24	37,522	21	30,409
	HENRY COUNTY—FIRST DISTRICT.										
1	Shuler Coal Mining Co.....		Alpha.....					21	2,949		
2	Midland Electric Coal Co.....	No. 1	Atkinson.....								
	Total.....							21	2,949		
	LA SALLE COUNTY—FIRST DISTRICT.										
1	LaSalle Co. Carbon Coal Co.....	No. 1	Jonesville.....	26	10,449	23	10,644	13	5,881	17	7,559
2	Illinois Zinc Co.....	No. 3	Peru.....	26	9,362	24	9,135	20	7,724	17	6,508
3	LaSalle Co. Carbon Coal Co.....	Union	Peru.....	24	12,648	23	12,187	10	5,318	14	7,065
4	LaSalle Co. Carbon Coal Co.....		LaSalle.....	26	8,661	21	7,309	13	4,640	17	5,401
	Total.....			25	41,120	23	39,275	14	23,563	16	26,533
	WILL COUNTY—FIRST DISTRICT.										
1	Northern Illinois Coal Co.....	No. 10	Wilmington.....	26	41,561	24	48,026	26	35,508	24	38,046
	LOGAN COUNTY—SECOND DISTRICT.										
1	Brewerton Coal Co.....	No. 92	Lincoln.....	26	15,776	24	15,818	19	12,560	14	8,373
	PEORIA COUNTY—SECOND DISTRICT.										
1	Crescent Coal Co.....	No. 6	Peoria.....	26	42,307	20	32,160	24	39,902	24	45,461
2	Crescent Coal Co.....	No. 1	Peoria.....	26	44,428	20	36,877	25	44,729	23	39,760
3	Dorthel Coal Co.....	No. 1	Hanna City.....	25	20,148	24	20,640	10	8,818		
4	Crescent Coal Co.....	No. 5	Peoria.....	25	20,050	23	17,309	24	13,411	1	743
5	Central West Coal Co.....	No. 3	Edwards.....	20	9,149	24	11,050	12	5,325	7	3,522
6	East Mapleton Coal Co.....		Mapleton.....	24	1,912	23	1,883	23	1,333	16	968
	Total.....			24	137,994	22	119,919	20	113,518	14	90,454
	TAZEWELL COUNTY—SECOND DISTRICT.										
1	Crescent Coal Co.....	No. 2	Peoria.....	25	23,244	23	23,247	22	22,356	7	6,326
2	Lake Erie Mining Co.....		Peoria.....	26	27,157	24	24,761	20	20,451	17	17,043
3	Ubben Coal Co.....		Pekin.....	26	6,788	23	5,926	14	3,284	12	2,325
	Total.....			26	57,189	23	53,934	19	46,091	12	25,694
	WOODFORD COUNTY—SECOND DISTRICT.										
1	W. G. Sutton.....	No. 2	Minonk.....	25	9,809	24	10,437	9	3,852		
2	Roanoke Coal & Tile Co.....	No. 1	Roanoke.....								
	Total.....			25	9,809	24	10,437	9	3,852		

## AND DAYS WORKED EACH MONTH.

Number of days in operation and tons of coal mined.																		Number.
May.		June.		July.		August.		September.		October.		November.		December.		Total.		
Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	
9	259	8	200	7	135	7	155	8	250	12	500	20	640	22	880	93	3,019	1
24	30,803	18	23,338	25	31,208	26	31,058	24	30,037	27	34,913	24	31,479	21	27,708	283	380,353	1
--	--	--	--	--	--	5	4,747	3	187	6	8,009	15	1,051	24	3,740	61	7,927	1
--	--	--	--	--	--	5	4,747	3	3,125	6	8,009	8	10,309	3	14,483	35	40,673	2
--	--	--	--	--	--	5	4,747	2	3,312	6	8,009	11	11,360	13	18,223	48	48,600	
25	9,807	24	11,910	24	12,260	22	10,800	22	10,591	20	9,751	9	4,704	8	4,333	233	108,689	1
19	6,950	14	5,532	16	6,069	21	7,779	21	7,304	27	10,123	19	6,949	25	9,184	250	92,619	2
17	7,923	8	3,100	13	4,750	9	3,470	9	3,020	10	4,411	7	4,458	18	6,198	162	74,548	3
17	5,161	9	2,575	8	1,532	20	5,078	22	5,547	22	6,115	9	2,789	13	4,109	197	58,917	4
19	29,841	14	23,117	15	24,611	18	27,127	18	26,462	20	30,400	11	18,900	16	23,824	211	334,773	
26	61,348	24	60,114	26	70,336	27	77,044	23	62,598	27	73,553	24	66,822	25	66,324	302	701,280	1
14	8,264	17	7,061	21	6,836	25	8,478	24	10,200	24	11,916	24	14,650	25	17,302	260	137,234	1
24	45,791	22	41,939	24	45,811	25	48,710	24	48,593	26	54,700	23	48,723	24	52,770	286	546,867	1
23	40,272	25	42,554	25	40,915	21	34,447	23	38,076	27	43,787	23	36,197	25	43,080	286	485,122	2
--	--	--	--	9	1,440	8	1,249	7	2,606	27	15,338	24	15,762	24	16,450	158	102,451	3
--	--	--	--	--	--	3	318	8	4,451	27	10,084	21	9,412	24	11,085	156	86,863	4
7	2,936	6	2,161	11	3,612	9	3,594	10	3,297	16	6,089	18	6,769	18	7,807	158	65,311	5
18	946	9	409	--	--	--	--	--	--	--	--	--	--	--	--	113	7,451	6
18	89,945	15	87,063	17	91,778	13	88,318	14	97,023	25	129,998	22	116,863	23	131,192	193	1,294,065	
11	9,896	14	11,885	17	15,215	16	14,661	16	14,751	17	13,654	23	19,934	25	24,010	216	199,179	1
14	3,478	12	3,661	16	4,046	25	12,778	23	15,839	23	15,051	24	16,900	23	20,506	247	181,671	2
6	1,115	8	1,152	10	1,550	10	1,818	17	3,328	22	4,587	20	4,049	22	5,869	190	41,797	3
10	14,489	11	16,698	14	20,817	17	29,257	19	33,918	21	33,292	22	40,883	23	50,385	218	422,647	
--	--	--	--	18	4,135	26	5,486	23	6,359	18	4,655	15	3,430	16	4,861	174	53,024	1
--	--	--	--	--	--	11	726	24	2,248	22	2,843	13	2,176	19	3,318	89	11,311	2
--	--	--	--	18	4,135	18	6,212	23	8,607	20	7,498	14	5,606	17	8,179	131	64,335	

TABLE 7—

Number.	Name of operator.	Name, number or letter of shaft.	Post office address of mine.	Number of days in operation and tons of coal mined.								
				January.		February.		March.		April.		
				Days	Tons.	Days	Tons.	Days	Tons.	Days	Tons.	
FULTON COUNTY—THIRD DISTRICT.												
1	Canton Coal Co.		Canton	19	28,561	19	28,432	12	18,666	14	22,573	
2	United Electric Coal Co.	No. 9	Cuba	26	69,523	24	67,956	26	73,114	25	62,107	
3	Dorthel Coal Co.	No. 2	Farmington	26	25,794	24	27,299	16	18,121	23	26,474	
4	Truax Traer Coal Co.		St. David									
5	Dorthel Coal Co.	No. 3	Farmington	26	16,668	18	12,326	3	2,026			
6	Illinois Colliery Co.		Farmington	25	8,011	24	8,231	10	3,936	4	1,232	
7	Rawalt Coal Co.		Canton	25	13,187	24	13,108	8	4,051	18	4,089	
8	Putnam Coal Co.	No. 1	Breeds	23	1,347	14	1,314	1	46			
	Total			24	163,091	21	158,666	10	119,963	17	116,475	
KNOX COUNTY—THIRD DISTRICT.												
1	Galesburg Mining Co.		Galesburg	20	13,330	20	13,040	14	8,870	14	9,120	
CHRISTIAN COUNTY—FOURTH DISTRICT.												
1	Peabody Coal Co.	No. 8	Tovey	24	147,013	21	132,656	16	100,117	15	96,679	
2	Peabody Coal Co.	No. 7	Kincaid	23	135,051	23	139,545	15	95,083	16	99,591	
3	Peabody Coal Co.	No. 58	Taylorville	24	96,697	19	77,155	20	78,836	15	61,134	
4	Peabody Coal Co.	No. 9	Langleyville									
5	Penwell Coal Mining Co.		Pana	15	31,918	16	32,728	6	12,122	3	6,617	
6	Pana Coal Co.	No. 1	Pana	19	21,276	22	20,178	17	18,569	19	13,195	
7	H. F. Young Coal Co.		Edinburg	21	2,184	16	1,791	7	776	4	360	
	Total			21	434,139	19	404,053	13	305,503	12	277,576	
SANGAMON COUNTY—FOURTH DISTRICT.												
1	Panther Creek Mines, Inc.	No. 1	Auburn	21	77,174	22	79,404	17	69,165	15	58,600	
2	Peabody Coal Co.	No. 55	Springfield	26	74,811	19	53,671	13	38,315	18	55,772	
3	Peabody Coal Co.	No. 57	Springfield	26	67,671	24	62,635	17	44,541	16	41,037	
4	The Mine B Coal Co.	B	Springfield	24	50,913	21	45,981	9	20,330	17	36,911	
5	Peabody Coal Co.	No. 51	Springfield	26	50,192	24	40,108	13	30,123	14	30,154	
6	Central Coal Mining Co.	A	Springfield	26	34,289	24	31,914	17	22,171	13	16,283	
7	Peabody Coal Co.	No. 53	Springfield	26	60,450	24	56,898	16	38,393	4	9,467	
8	Panther Creek Mines, Inc.	No. 4	Springfield	26	35,735	22	31,858	5	8,143	7	9,699	
9	Sangamon Coal Co.	No. 2	Springfield	20	24,940	24	32,237	17	22,889	8	11,555	
10	Panther Creek Mines, Inc.	No. 3	Springfield	26	38,026	21	33,207	3	4,215			
11	Brewerton Coal Co.	No. 81	Springfield	26	13,063	23	11,740	20	9,256	10	5,002	
12	Peabody Coal Co.	No. 52	Riverton									
13	Panther Creek Mines, Inc.	No. 5	Springfield									
	Total			25	527,264	23	479,653	13	307,541	12	274,480	
EDGAR COUNTY—FIFTH DISTRICT.												
1	Twin States Mining Co.		Clinton, Ind.	5	950	8	1,200	5	950			
MACON COUNTY—FIFTH DISTRICT.												
1	Macon County Coal Co.		Decatur	26	22,341	22	18,519	20	11,290	20	9,292	

Continued.

## Number of days in operation and tons of coal mined.

May.		June.		July.		August.		September.		October.		November.		December.		Total. *		Number.
Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	
19	31,282	22	35,445	14	21,700	16	27,084	21	33,539	21	34,566	23	39,102	25	37,694	225	358,647	1
19	55,626	18	44,800	22	49,352	23	51,288	18	44,354	20	49,915	25	50,423	25	57,021	271	675,479	2
12	13,938	17	19,499	14	16,770	22	26,822	21	22,569	18	23,452	20	24,983	25	28,483	238	274,204	3
										16	19,459	16	23,727	24	37,094	56	80,280	4
8	2,587	6	2,136	6	2,108	9	3,569	13	5,507	16	7,499	20	9,809	25	12,069	122	65,904	5
9	2,092	2	342	10	666	11	577	8	4,899	20	7,572	19	6,810	21	7,566	165	58,657	6
									618	2	146	7	513	13	2,950	137	42,339	7
																38	2,707	8
13	105,525	13	102,222	13	90,596	16	109,340	16	111,486	16	142,609	19	155,367	23	182,877	157	1,558,217	
18	10,423	18	10,334	26	16,058	27	19,985	22	18,969	26	24,007	24	23,177	25	24,508	254	191,821	1
11	70,367	8	50,436	7	45,676	5	35,725	11	67,998	13	82,414	14	89,367	21	107,246	166	1,025,694	1
11	69,385	9	56,525	7	42,336	6	37,759	11	64,641	13	78,854	14	83,598	17	84,294	165	986,662	2
15	59,224	11	43,654	10	40,105	12	47,546	12	39,063	17	50,247	15	47,953	22	44,724	192	666,338	3
26	27,060	24	53,784	25	76,740	25	102,815	18	81,759	17	78,154	16	76,611	17	68,171	168	565,094	4
4	5,529			3	4,573	5	7,544	10	19,062	10	20,303	11	22,283	16	31,160	99	193,839	5
19	13,803	12	7,578	18	9,581	20	11,590	21	11,072	21	16,764	19	19,244	24	19,987	231	182,837	6
5	421	1	92	5	512	11	842	16	1,456	12	1,912	17	2,212	18	2,000	133	14,558	7
13	245,789	11	212,069	11	219,523	12	243,821	14	285,051	15	328,648	15	341,268	19	357,582	165	3,655,022	
17	67,730	15	58,068	17	66,775	18	68,132	14	52,591	14	52,901	16	62,231	17	62,226	203	774,997	1
15	48,059	13	40,260	13	39,280	16	47,425	18	54,102	18	51,891	14	43,813	25	67,315	208	614,714	2
15	38,423	13	34,068	13	33,845	17	42,514	18	45,975	20	47,849	19	45,093	25	56,517	223	560,168	3
17	35,916	16	35,909	16	33,405	20	44,375	17	38,031	18	39,678	20	45,081	23	49,139	218	475,669	4
19	34,031	16	23,775	17	32,096	18	36,721	17	34,235	17	35,232	16	31,745	25	44,171	222	422,583	5
18	21,097	16	19,866	19	23,765	21	27,085	22	29,425	24	34,492	23	31,949	22	31,816	245	324,152	6
8	11,563	4	5,718	4	5,470	10	13,967	17	24,089	12	17,317	13	19,193	19	27,340	147	210,092	7
9	11,551	3	4,172					15	18,106	18	25,066	7	9,452	24	29,741	145	189,709	8
								4	2,515	10	10,412	13	15,261	17	19,570	94	123,206	9
7	3,233	18	5,970	14	3,037	11	4,287	15	7,088	19	9,769	17	9,382	24	13,055	204	94,902	10
								27	15,828	21	23,343	23	32,205	71	71,376	12	71,376	11
								10	6,106	14	13,327	17	18,163	21	21,848	62	59,444	12
																		13
14	271,603	13	227,806	14	237,693	16	284,506	15	312,263	18	369,866	17	378,607	22	488,915	168	4,160,197	
																18	3,100	1
12	7,100			8	4,704	3	1,276	16	8,726	21	12,348	21	14,978	24	19,585	193	130,159	1

TABLE 7—

Number.	Name of operator.	Name, number or letter of shaft.	Post office address of mine.	Number of days in operation and tons of coal mined.									
				January.		February.		March.		April.			
				Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.		
VERMILION COUNTY—FIFTH DISTRICT.													
1	U. S. Fuel Co.	Bunn	Georgetown	19	108,589	19	113,865	15	88,385	14	84,222		
2	U. S. Fuel Co.	Verm.	Georgetown	19	84,641	21	95,761	14	61,431	15	65,689		
3	Peabody Coal Co.	24	Danville	24	61,949	19	48,808	16	44,248	10	27,128		
4	United Electric Coal Co.	1	Danville	12	9,058	11	9,250	16	21,627	11	16,004		
5	United Electric Coal Co.	14	Danville	26	15,838	24	15,697	20	14,368	22	18,527		
6	Taylor English Coal Co.	2	Catlin	24	8,470	21	7,886	14	5,324	19	6,738		
7	United Electric Coal Co.	12	Danville	21	11,167	17	9,752	14	7,493	14	7,948		
8	McComb Coal Co.		Danville	26	1,075	24	999	15	450	12	350		
Total.				21	300,787	19	302,018	16	243,326	15	226,606		
MACOUPIN COUNTY—SIXTH DISTRICT.													
1	Superior Coal Co.	No. 4	Gillespie	25	100,011	20	84,966	25	105,256	21	85,552		
2	Superior Coal Co.	No. 3	Gillespie	15	75,937	18	93,582	11	58,140	7	36,151		
3	Superior Coal Co.	No. 2	Gillespie	15	72,120	17	82,782	9	44,609	11	52,964		
4	Superior Coal Co.	No. 1	Gillespie	24	69,484	22	65,547	22	65,951	15	46,503		
5	Consolidated Coal Corp.	No. 15	Mt. Olive	16	50,174	21	66,924	14	44,392	13	42,919		
6	Madison Coal Co.	No. 5	Mt. Olive	20	31,419	22	35,139	20	31,943	17	22,039		
7	Consolidated Coal Co.	No. 7	Staunton	21	66,693	21	65,614	14	44,143	10	25,614		
8	Gillespie Coal Co.		Gillespie	26	30,541	21	24,493	20	26,154	14	17,824		
9	South Mine Coal Co.		Carlville	20	2,694	19	2,244	7	1,146	3	451		
Total.				20	499,073	20	521,291	16	421,734	12	330,017		
MONTGOMERY COUNTY—SIXTH DISTRICT.													
1	Indiana & Illinois Coal Co.	No. 10	Nokomis	16	73,154	16	70,976	13	57,552	15	74,154		
2	Cresgrove-Neehan Coal Co.	No. 5	Panama	26	67,000	11	30,267	8	20,273	16	41,820		
3	Hillsboro Coal Co.		Hillsboro	23	34,991	20	30,276	13	19,764	12	18,689		
Total.				22	175,145	16	131,519	11	97,589	14	134,663		
SHELBY COUNTY—SIXTH DISTRICT.													
1	Moweaqua Coal Mining Co.	No. 1	Moweaqua	23	6,859	23	6,082	12	3,211				
BOND COUNTY—SEVENTH DISTRICT.													
1	Pocahontas Mining Co.	No. 1	Pocahontas	20	34,823	16	29,376	8	10,971	3	1,424		
MADISON COUNTY—SEVENTH DISTRICT.													
1	Madison Coal Corp.	No. 2	Glen Carbon	17	56,778	22	70,085	15	47,322	13	41,674		
2	Mt. Olive & Staunton Coal Co.	No. 2	Staunton	24	84,231	16	58,796	19	47,399	18	49,416		
3	Lumaghi Coal Co.	No. 2	Collinsville	20	69,192	18	63,686	9	31,207	8	27,421		
4	Peabody Coal Co.	No. 17	Edwardsville	22	45,450	21	44,322	12	25,866	9	19,762		
5	The New Staunton Coal Co.	No. 1	Livingston	13	31,688	12	33,572	6	15,879	4	10,076		
6	Bullock Mining Co.		Collinsville	23	11,384	24	11,494	13	6,806	14	4,315		
7	Troy Mining Co.	No. 1	Troy	20	13,596	21	14,222	4	2,044				
8	Collinsville Coal Corp.		Collinsville	23	7,591	17	5,683	6	2,041	4	1,142		
9	Bunker Hill Coal Mining Co.		Collinsville	24	6,600	24	5,500	13	4,205	8	2,900		
10	Henrietta Coal Co.		Edwardsville	25	5,290	20	4,160	9	2,070	10	1,417		
11	Carlin Coal Co.	J. Mine	Bethalto	18	615	21	1,363	13	529	9	210		
12	Henrietta Coal Co.	H. T.	Edwardsville										
13	East Side Coal Co.	No. 1	Edwardsville	20	1,654	15	1,283	5	453				
Total.				21	334,069	19	314,166	10	185,821	10	158,333		

Continued.

## Number of days in operation and tons of coal mined.

May.		June.		July.		August.		September.		October.		November.		December.		Total.		Number.
Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	
14	87,379	12	73,508	12	70,039	14	79,796	12	69,137	11	61,863	11	63,921	18	102,573	171	1,003,277	1
13	56,676	12	53,469	14	61,475	12	52,837	12	52,616	12	54,463	11	45,770	17	70,387	172	755,215	2
13	35,468	12	32,899	9	24,455	10	26,295	14	35,518	18	41,009	16	43,174	22	58,741	183	479,692	3
11	13,622	14	17,462	11	12,500	20	18,832	16	14,472	16	16,946	17	25,517	23	34,696	178	209,986	4
24	18,731	19	13,442	23	17,905	11	8,997	13	11,277	20	17,015	16	7,440	16	13,411	234	172,648	5
22	7,911	21	5,577	20	4,881	22	3,349	24	3,484	22	4,811	22	5,257	21	5,434	252	69,122	6
12	7,304	16	9,548	9	4,784	---	---	---	---	---	---	---	---	---	---	103	57,996	7
24	745	25	1,352	20	950	16	665	20	857	26	1,120	22	925	18	650	248	10,138	8
17	227,836	16	207,257	15	196,989	15	190,771	16	187,361	18	197,227	16	192,004	19	285,892	193	2,758,074	
21	86,115	6	24,903	22	94,238	26	109,440	16	69,361	24	105,730	20	87,976	22	96,452	248	1,050,000	1
18	92,861	18	92,301	5	25,073	---	---	20	94,043	18	90,982	16	81,944	22	109,104	168	850,118	2
1	3,951	14	66,667	12	59,720	23	109,357	9	42,273	14	64,469	16	71,036	21	88,056	162	757,951	3
26	79,534	23	73,517	19	59,605	23	73,739	13	41,252	16	47,689	19	57,195	20	57,141	242	736,797	4
25	84,069	21	75,392	18	64,984	9	31,737	11	36,020	19	66,037	15	59,053	22	87,198	204	708,899	5
17	22,205	16	26,324	19	27,548	---	---	26	23,169	22	32,947	21	31,803	21	32,653	230	347,154	6
20	23,543	15	18,409	13	15,378	20	26,164	21	34,248	16	27,248	11	20,068	19	33,360	159	343,182	7
9	505	4	218	---	---	12	22,949	10	11,970	18	22,653	15	20,071	21	27,109	213	261,004	8
							629	11	1,201	12	1,733	10	1,670	13	1,975	124	14,466	9
17	392,783	15	377,731	15	346,546	20	403,567	14	353,537	18	459,398	16	430,846	20	533,048	194	5,069,571	
19	86,385	16	77,531	18	80,630	18	81,748	18	86,265	23	98,793	22	99,491	25	102,862	219	589,541	1
19	44,329	21	46,442	24	45,555	24	48,172	17	45,465	19	54,125	16	48,043	21	61,512	222	553,003	2
14	23,104	12	18,163	14	20,915	16	26,045	21	30,081	19	33,121	20	31,149	24	38,044	206	324,342	3
17	153,818	16	142,136	19	147,100	19	155,965	19	161,811	20	186,039	19	178,683	23	202,418	217	1,866,886	
---	---	---	---	---	---	1	70	14	3,332	20	5,629	22	6,198	22	6,525	137	37,906	1
22	6,018	23	9,415	17	15,515	16	15,021	22	23,637	10	11,542	15	21,919	17	26,027	189	205,688	1
18	57,321	14	44,055	16	49,170	17	53,309	16	50,706	21	66,019	20	61,734	22	68,414	211	666,587	1
20	51,316	12	31,640	15	39,805	14	44,427	20	54,061	20	65,333	16	53,136	20	64,315	214	643,875	2
9	27,081	11	20,935	13	24,721	14	28,940	18	38,957	15	44,822	14	44,423	17	52,303	166	473,688	3
10	21,761	9	19,915	9	19,767	9	19,856	13	28,923	14	31,791	15	34,039	14	33,574	157	345,026	4
6	17,153	5	13,223	7	17,659	5	12,894	6	16,211	9	24,251	10	27,469	16	40,059	99	260,134	5
13	4,605	11	4,252	11	3,951	13	4,796	12	4,340	16	6,831	15	8,534	18	8,966	185	80,274	6
3	1,025	2	730	7	2,384	9	2,696	21	13,379	19	12,246	12	9,479	17	8,984	130	79,050	7
9	1,800	6	900	7	800	6	1,328	14	4,621	25	8,231	22	7,042	16	5,811	141	46,053	8
8	1,446	2	368	10	731	7	1,198	16	3,298	24	6,000	25	5,650	24	6,320	189	44,875	9
7	182	5	113	4	190	4	203	17	670	16	4,336	19	4,224	20	4,076	166	32,614	10
---	---	---	---	---	---	---	---	---	---	---	1,003	20	1,442	16	1,430	150	7,950	11
---	---	---	---	---	---	---	---	---	---	---	577	12	1,511	15	2,224	35	4,312	12
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	40	3,390	13
10	183,690	8	136,131	9	159,896	10	170,847	16	218,166	17	271,530	17	258,683	18	296,476	145	2,687,808	

TABLE 7—

Number.	Name of operator.	Name, number or letter of shaft	Post office address of mine.	Number of days in operation and tons of coal mined.								
				January.		February.		March.		April.		
				Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	
MARION COUNTY—SEVENTH DISTRICT.												
1	Marion Coal Co.		Centralia	22	41,178	16	31,735	18	33,738	18	34,996	
2	Odin Coal Co.		Odin	26	19,101	24	18,916	14	5,562	14	5,163	
	Total.			24	60,279	20	50,651	16	39,300	16	40,159	
CLINTON COUNTY—EIGHTH DISTRICT.												
1	Southern Coal Coke & Min. Co.	No. 9	New Baden	23	41,998	19	36,649	12	22,163	5	8,741	
2	Breese-Trenton Mining Co.	N. B.	Breese	26	26,279	24	23,610	11	11,689	9	9,307	
3	Breese-Trenton Mining Co.	East	Breese	23	23,974	20	20,657	14	15,016	11	11,285	
	Total.			24	92,251	21	80,916	12	48,868	8	29,333	
ST. CLAIR COUNTY—EIGHTH DISTRICT.												
1	United Electric Coal Co.	No. 13	Danville	26	37,144	24	29,969	23	30,958	21	28,767	
2	St. Louis & O'Fallon Coal Co.	No. 2	East St. Louis.	26	50,285	24	49,285	21	31,387	14	17,626	
3	Aluminum Ore Co.		Belleville	25	24,388	24	23,563	23	21,768	24	22,503	
4	Southern Coal Coke & Min. Co.	L. O.	Belleville	24	26,180	18	19,553	8	8,888	12	13,181	
5	Perry Coal Co.	T.	O'Fallon	24	19,676	21	17,932	24	19,577	19	15,935	
6	Groom Coal Co.		Belleville	26	15,027	18	14,300	14	10,520	16	9,351	
7	Gundlach Coal Co.		East St. Louis.	18	9,513	23	15,499	11	6,795	11	8,738	
8	Perry Coal Co.	St. E.	O'Fallon	26	9,403	23	9,653	19	7,552			
9	Service Coal Co.		Belleville	26	8,608	24	7,082	14	3,701	12	2,196	
10	Golden Rule Coal Co.		Lenzburg	23	11,025	23	11,161	14	6,723	10	4,763	
11	Mulberry Hill Coal Co.		Freeburg	19	26,576	17	25,623	7	10,542			
12	Ell Rich Mining Co.		Belleville	26	15,752	24	9,449	12	5,731			
13	Perry Coal Co.	Sup.	Belleville	25	6,121	23	5,241	25	4,683	23	5,004	
14	Southern Coal Coke & Min. Co.	No. 6	Belleville	20	10,181	12	7,187	10	4,522	4	1,442	
15	New National Coal Mining Co.		Belleville	14	8,300	20	8,959	12	3,979	18	5,645	
16	Reichert Coal Co.		Freeburg	18	9,531	13	7,567	5	2,649	3	1,569	
17	Guest Coal Co.		Belleville	21	8,408	18	7,901	10	1,596	2	403	
18	Quality Coal Mining Co.		Belleville	26	10,837	23	9,565	9	2,972			
19	Summit Coal Co.		Belleville	23	6,504	19	5,063	20	5,434	23	6,081	
20	Eldnar Coal Co.		Belleville	24	6,055	11	2,795	14	2,208			
21	Lyle Coal Co.		Marissa	25	14,163	23	13,273	11	6,529			
22	Kolb Coal Co.	No. 1	Mascoutah	3	4,936	4	5,010	6	5,693			
23	Perry Coal Co.	Carbon	O'Fallon	25	14,941	21	12,369	3	1,718			
24	Vinegar Hill Coal Co.		Lenzburg									
25	Jones Bros Coal Mining Co.	No. 1	Marissa	19	8,055	16	6,833	4	1,549			
26	Fullerton Coal Co.		Belleville	24	3,742	22	3,152	19	2,899	10	1,558	
27	Lou Nash Coal Co.	No. 2	Belleville	22	5,845	17	4,698	2	413			
28	Hippard Coal Co.		Belleville	14	1,573	15	1,729	6	707	7	825	
29	Kolb Coal Co.	No. 2	Mascoutah									
	Total.			22	372,769	19	334,411	13	211,603	13	145,587	
JACKSON COUNTY—NINTH DISTRICT.												
1	Union Colliery Co.		Dowell									
2	Truax Traer Coal Co.		Elkville	26	40,154	24	45,372	13	26,590	20	46,876	
3	Traux Traer Coal Co.		DeSoto	19	32,205	23	37,040	19	29,420	13	20,185	
	Total.			22	72,359	23	82,412	16	56,010	16	67,052	



Continued.

## Number of days in operation and tons of coal mined.

May.		June.		July.		August.		September.		October.		November.		December.		Total.		Number.
Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	
14	27,842	11	22,012	13	26,749	14	25,164	14	25,044	14	27,339	15	30,277	20	37,826	189	363,900	1
25	18,744	17	12,844	17	12,478	27	20,095	24	17,618	17	11,807	24	17,076	20	14,399	249	173,803	2
19	46,586	14	34,856	15	39,227	20	45,259	19	42,662	15	39,146	19	47,353	20	52,225	219	537,703	
5	5,844	6	3,330	6	3,711	8	11,949	12	13,364	15	22,048	15	24,076	18	29,835	144	223,708	1
15	17,836	14	16,714	14	16,580	17	19,338	11	12,845	6	7,376	8	9,436	16	18,218	171	189,228	2
8	8,474							8	7,353	13	13,368	14	14,305	15	15,475	126	129,907	3
9	32,154	10	20,044	10	20,291	13	31,287	10	33,562	11	42,792	12	47,817	16	63,528	147	542,843	
26	35,758	22	31,530	26	38,714	27	42,494	24	35,265	27	41,125	24	38,892	21	32,205	291	422,821	1
13	20,835	5	7,258	8	8,364	11	10,751	17	19,293	16	23,892	12	20,411	17	22,070	184	281,457	2
25	27,622	25	29,373	26	31,579	22	21,109	11	6,232	24	19,562	22	24,803	25	27,171	276	279,673	3
13	15,369	11	12,393	15	17,409	7	8,116	18	22,322	14	28,552	14	27,406	19	21,767	173	221,137	4
21	18,429	19	17,362	17	15,952	16	14,942	17	16,306	18	18,866	18	18,860	20	19,664	234	212,901	5
16	9,905	12	7,677	14	8,892	13	8,476	15	9,540	19	11,910	15	10,335	20	13,040	208	129,063	6
15	11,148	12	9,028	11	7,926	11	8,639	10	7,366	21	15,003	20	13,931	20	13,211	183	126,797	7
16	4,697	22	5,185	22	3,576	27	6,571	21	8,465	27	11,165	21	11,042	22	15,690	205	83,117	8
8	3,737				6,171	16	4,254	20	6,906	27	9,819	24	9,765	24	10,126	247	78,510	9
					1		309	14	4,988	15	7,233	13	6,875	23	10,988	144	67,502	10
										3	884				46	63,625	11	
						12	2,891	12	3,458	19	6,526	15	6,399	24	9,722	144	59,928	12
26	5,378	24	4,367	6	1,102	13	2,176	23	5,792	26	6,675	24	6,205	24	6,468	262	59,212	13
9	1,410	4	1,066	2	471	25	2,680	20	4,799	20	7,420	24	6,106	22	8,902	172	56,186	14
9	2,977	5	1,576	7	1,923	5	1,571	11	3,514	20	5,973	13	3,346	21	6,473	155	54,236	15
								9	3,816	20	9,914	19	9,531	20	9,516	107	54,093	16
3	616	1	32	2	110	3	632	15	3,837	18	7,595	18	7,058	21	8,392	132	46,490	17
								2	549	15	5,647	18	6,428	20	7,453	113	43,451	18
17	4,705	4	1,015	7	1,272	6	1,295	11	1,944	13	2,930	5	974	18	3,690	167	40,907	19
		17	2,451	24	4,961	18	3,628	11	2,326	3	783	18	4,501	23	5,916	166	35,624	20
																59	33,965	21
																30	29,963	22
																49	29,028	23
																64	21,715	24
																39	16,437	25
																86	13,014	26
10	1,487	1	176													41	10,956	27
2	250	2	233	3	285	2	230	4	592	9	1,143	11	1,422	15	1,863	90	10,852	28
																3	4,612	29
14	164,413	11	131,531	12	149,519	12	145,287	14	172,990	17	248,641	17	242,018	19	268,803	140	2,587,572	
22	48,260	25	60,969	25	66,077	26	78,977	23	78,904	26	104,906	23	95,411	25	98,603	195	632,107	1
21	46,609	18	45,826	23	53,443	19	27,937	20	38,863	23	54,577	20	39,168	21	43,732	248	509,138	2
9	10,515	14	14,080	13	23,154	19	39,958	24	39,165	21	51,333	17	41,452	21	48,292	212	386,799	3
17	105,384	19	120,875	20	142,674	21	146,872	22	156,932	23	210,816	20	176,031	22	190,627	218	1,528,044	

TABLE 7—

Number.	Name of operator.	Name, number or letter of shaft.	Post office address of mine.	Number of days in operation and tons of coal mined.							
				January.		February.		March.		April.	
				Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.
PERRY COUNTY—NINTH DISTRICT.											
1	Pyramid Coal Corp.		Pinckneyville.	24	75,039	23	81,785	19	59,585	23	67,884
2	Crerar Clinch Coal Co.		Duquoin.	22	75,169	19	66,393	8	27,716	8	27,543
3	Gayle Coal Co.		Duquoin.	25	32,730	20	21,991	23	31,651	18	24,418
4	Perry Coal Co.		Coulterville.	24	33,332	22	29,168	16	23,135	15	16,931
5	Security Coal Mining Co.	No. 1	Duquoin.	18	26,058	16	23,934	22	32,384		
6	Perfection Coal Co.		Duquoin.	25	28,161	23	24,749	16	15,932	14	14,699
7	United Electric Coal Co.	No. 11	Duquoin.								
8	Wilson Coal Mining Co.		Cutler.	22	13,196	21	13,700	14	9,427	14	9,419
9	Brewerton Coal Co.	No. 45	Pinckneyville.	16	10,077	15	9,291	18	11,592	12	7,619
10	Delco Mining Co.		Swanwick.								
11	Bailey Bros. Coal Co.		DuQuoin.	14	715	15	766	11	505	12	567
	Total.			21	294,477	19	271,777	16	211,927	14	169,080
RANDOLPH COUNTY—NINTH DISTRICT.											
1	Moffat Coal Co.		Sparta.	10	24,275	9	22,083	9	23,864	8	21,680
2	St. Louis Coal Co.		Coulterville.	19	32,101	15	25,621	6	10,102	3	4,980
3	Jones Bros Coal Mining Co.	No. 2	Marissa.	17	16,023	17	13,945	7	5,097		
4	Sparta Coal Co.		Sparta.	20	15,340	21	17,820	22	15,700		
5	Geo. Wilson Coal Co.	No. 1	Sparta.	20	500	24	650				
	Total.			17	88,239	17	80,119	11	54,763	5	26,660
WASHINGTON COUNTY—NINTH DISTRICT.											
1	Centralia Coal Co.	No. 5	Centralia.	26	47,109	24	43,388	16	30,630	14	27,810
2	Clarkson Coal Co.		Nashville.	26	10,440	11	10,368	22	8,323	22	9,061
	Total.			26	57,549	17	53,756	19	38,953	18	36,871
FRANKLIN COUNTY—TENTH											
1	Chicago, W., & Franklin C. Co.	N. O.	W. Frankfort.	25	277,237	23	227,708	17	192,814	15	171,815
2	Bell & Zoller C. & M. Co.	No. 1	Zeigler.	25	164,936	23	153,417	8	53,709	25	102,306
3	Bell & Zoller C. & M. Co.	No. 2	Zeigler.	26	185,806	24	173,252	16	114,122		
4	Chicago, W. & Franklin C. Co.	No. 1	Orient.	25	155,621	24	148,380	5	29,181		
5	Old Ben Coal Corp.	No. 14	Buckner.	26	110,129	24	88,047	19	72,455	21	81,848
6	Old Ben Coal Corp.	No. 8	W. Frankfort.	21	103,772	24	118,911	8	41,131	8	38,238
7	Old Ben Coal Corp.	No. 15	Ezra.	25	99,650	24	74,622	16	55,253	20	72,001
8	Franklin County Coal Co.	No. 7	Royalton.	26	109,607	23	104,535	9	40,760	8	35,179
9	Valier Coal Co.	No. 1	Valier.	17	100,693	15	97,697	15	100,898	18	71,203
10	Franklin County Coal Co.	No. 5	Herrin.	26	92,874	24	86,421	15	55,494	12	41,325
11	Peabody Coal Co.	No. 18	W. Frankfort.	25	102,677	24	94,579	18	77,629	13	58,986
12	Peabody Coal Co.	No. 19	W. Frankfort.	26	79,088	24	71,106	12	36,693	15	45,894
13	Brewerton Coal Co.	No. 21	W. Frankfort.	24	54,197	7	15,419	15	33,894	16	27,181
14	Old Ben Coal Corp.	No. 11	Christopher.	9	38,527						
15	Franklin County Coal Co.		Benton.	21	41,995	20	41,403	8	18,327	10	20,117
16	Brewerton Coal Co.	No. 22	Sesser.	24	42,441	22	41,209	16	29,679		
17	Black Star Coal Co.		Logan.	23	26,792	18	23,012	11	14,766	8	10,754
18	Old Ben Coal Corp.	No. 12	Christopher.	22	68,784	24	76,680	9	28,271		
	Total.			23	1,854,827	22	1,636,401	13	995,076	15	776,847
GALLATIN COUNTY—ELEVENTH DISTRICT.											
1	Saline Gas Coal Co.	No. 4	Equality.			14	4,969	5	1,908	6	2,471

Continued.

Number of days in operation and tons of coal mined.

May.		June.		July.		August.		September.		October.		November.		December.		Total.		Number.
Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	
22	63,393	22	65,924	25	75,000	25	82,402	22	81,234	26	98,903	23	84,028	25	96,555	279	931,732	1
9	31,942	5	17,643	7	24,489	11	38,209	12	40,235	14	52,582	11	40,662	14	46,941	140	489,524	2
23	33,550	21	33,335	20	33,178	22	36,154	17	28,026	20	34,478	23	30,501	25	34,273	257	374,288	3
22	19,559	17	14,875	19	16,245	23	25,535	21	25,108	22	27,930	22	27,590	25	32,657	248	292,071	4
13	17,264	11	17,089	11	16,170	10	15,281	13	18,848	18	22,431	18	22,139	22	25,784	172	237,382	5
11	12,280	10	10,851	12	11,665	12	12,160	15	15,506	17	16,918	18	18,189	23	24,875	196	205,985	6
								6	8,961	16	31,221	20	56,664	19	48,279	61	145,125	7
1	642	13	7,694	13	8,864	15	10,361	16	10,947	18	12,335	11	7,506	8	5,125	166	109,216	8
10	6,209	10	6,349	8	5,310	15	9,155	14	8,756	15	10,290	15	9,953	18	11,788	166	106,389	9
											9,747	21	16,802			33	26,540	10
6	260	4	239	5	213	10	395	11	504	9	430	10	462	13	619	120	5,675	11
13	185,099	13	174,002	13	191,134	16	229,652	15	238,125	17	317,265	17	314,502	19	326,896	167	2,923,936	
7	18,730	7	17,660	8	22,013	6	14,370	8	20,904	6	16,058	8	22,428	13	27,031	99	251,096	1
5	8,537	3	5,055			2	3,091	5	8,561	10	17,794	9	16,180	15	26,427	92	158,449	2
4	885			4	2,135	5	2,332	5	1,930	8	4,371	9	5,009	12	8,007	88	59,734	3
																63	48,860	4
																44	1,150	5
5	28,152	5	22,715	6	24,148	4	19,793	6	31,395	8	38,223	9	43,617	13	61,465	77	519,289	
17	33,909	12	24,159	15	27,356	15	27,027	13	24,211	16	29,524	23	43,775	24	46,220	215	405,118	1
18	7,933	15	6,923	17	7,785	14	8,660	16	9,272	24	12,095	22	10,528	24	11,926	231	113,314	2
17	41,842	13	31,082	16	35,141	14	35,687	14	33,483	20	41,619	22	54,303	24	58,146	223	518,432	
				19	148,737	18	164,085	19	165,774	21	200,102	20	188,011	24	216,043	201	1,952,327	1
26	131,935	17	91,573			25	140,437	23	148,505	25	165,521	23	144,141	24	151,884	244	1,448,364	2
		11	73,509	22	150,897	15	101,870	17	122,971	21	149,562	16	109,530	21	147,964	189	1,329,483	3
24	142,298	25	149,045	18	107,035	14	82,266	21	127,370	17	104,335	17	106,335	24	147,746	214	1,299,612	4
26	104,850	13	49,237	24	97,340	27	110,317	20	79,709	24	96,680	17	65,085	23	80,669	264	1,036,366	5
14	71,743	16	72,213	20	89,333	23	98,468	21	92,716	14	61,681	16	72,045	19	79,382	204	939,633	6
18	71,162	20	80,417	19	73,741	23	88,046	21	80,344	19	73,200	21	82,406	24	86,846	250	937,688	7
13	50,439	11	43,611	10	39,692	12	52,701	16	71,565	19	86,327	19	82,009	25	104,760	191	821,188	8
7	26,277					24	82,063	21	87,227	20	89,465	15	66,292	21	89,451	173	811,266	9
12	39,171	10	32,684	17	55,782	19	70,832	23	83,135	26	91,728	20	65,757	24	81,716	228	796,919	10
15	70,481	12	54,665	9	39,071	14	64,925	18	84,905	19	88,293	18	84,784	23	98,644	208	919,639	11
16	50,098	14	43,072	16	49,328	15	44,967	19	57,615	22	64,714	20	60,815	24	70,305	223	673,698	12
21	32,961	15	27,374	14	24,736	25	42,726	22	40,996	26	51,199	21	38,958	25	49,470	231	439,111	13
						10	26,445	21	78,668	25	103,136	15	64,433	22	85,523	102	396,732	14
11	21,441	16	32,072	19	37,780	21	37,387	24	46,328	21	31,853	20	29,012	20	29,652	211	387,367	15
		6	7,713	10	17,009	12	20,405	8	13,384	10	17,756	15	29,266	25	46,119	148	264,981	16
16	21,773	11	14,137	12	16,022	15	19,807	14	16,584	13	16,726	9	10,566			150	191,339	17
																53	173,735	18
17	834,629	14	771,322	16	946,503	18	1,247,747	19	1,397,799	20	1,492,278	18	1,299,845	23	1,566,174	194	14,819,448	
																25	9,348	1

TABLE 7—

Number.	Name of operator.	Name, number or letter of shaft.	Post office address of mine.	Number of days in operation and tons of coal mined.							
				January.		February.		March.		April.	
				Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.
SALINE COUNTY—ELEVENTH DISTRICT.											
1	Peabody Coal Co.	No. 43	Harrisburg	23	82,995	20	81,603	10	44,108	10	43,059
2	Peabody Coal Co.	No. 47	Harco	21	89,045	14	53,654	6	24,361	2	7,364
3	Wasson Coal Co.	No. 1	Harrisburg	26	62,285	24	57,957	11	27,731	11	29,009
4	O'Gara Coal Co.	No. 1	Harrisburg	25	77,187	23	72,027	8	25,611	3	7,758
5	O'Gara Coal Co.	No. 12	Harrisburg	17	36,913	15	35,221	12	29,275	16	38,799
6	O'Gara Coal Co.	No. 3	Harrisburg	25	49,041	23	47,944	14	21,773	17	21,935
7	O'Gara Coal Co.	No. 10	Eldorado	25	45,227	19	34,505	11	20,491	—	—
8	J. K. Dering Coal Co.	No. 2	Eldorado	25	25,853	21	24,357	13	14,974	16	17,406
9	Harrisburg Coal Mining Co.	No. 8	Harrisburg	9	11,136	6	8,728	6	9,185	6	9,356
10	Harrisburg Coal Mining Co.	No. 9	Harrisburg	10	13,676	9	11,725	10	12,914	7	8,865
11	Wasson Coal Co.	No. 2	Harrisburg	26	30,824	19	21,263	15	16,534	—	—
12	Blue Bird Coal Co.	No. 1	Harrisburg	9	2,091	3	1,003	7	2,231	8	1,512
	Total			20	526,273	16	449,987	10	249,288	9	185,063
WHITE COUNTY—ELEVENTH DISTRICT.											
1	Josh Anderson Coal Co.	No. 1	Norris City	14	8,472	22	12,461	7	3,808	4	1,021
WILLIAMSON COUNTY—TWELFTH DISTRICT.											
1	Madison Coal Corp.	No. 12	Cambria	13	56,077	16	64,954	11	47,901	10	43,289
2	Cosgrove-Meehan Coal Co.	No. 1	Johnston City	20	56,247	24	64,927	18	50,623	12	28,210
3	Cosgrove-Meehan Coal Co.	No. 3	Marion	21	44,778	24	54,114	19	47,853	20	55,510
4	Old Ben Coal Corp.	No. 18	Johnston City	20	105,046	24	120,895	5	23,321	—	—
5	Cartersville-Herrin Coal Co.	Herrin	Herrin	22	38,321	21	36,695	20	33,299	17	27,272
6	Madison Coal Corp.	No. 9	Colp	19	44,073	21	48,006	12	26,851	15	32,926
7	Consolidated Coal Co. of St. L.	No. 7	Herrin	13	38,714	13	36,959	7	21,009	8	24,575
8	C., W. & F. Mining Co.	A	Herrin	17	71,074	12	51,518	11	11,230	—	—
9	Scottsboro Coal Co.	Marion	Marion	14	19,094	12	16,953	14	19,462	11	15,398
10	Peabody Coal Co.	No. 26	Johnston City	7	11,461	7	10,597	10	15,161	17	24,397
11	St. Louis Coal & Iron Co.	No. 12	Johnston City	24	14,545	22	13,520	26	16,233	24	14,158
12	Coal Stripping Co.	No. 1	Marion	14	17,032	15	18,654	15	18,202	18	21,177
13	Peabody Coal Co.	No. 25	Cartersville	20	39,056	14	29,229	5	10,971	3	6,192
14	Laclede Coal Mining Co.	Herrin	Herrin	24	9,700	23	8,578	22	9,427	21	9,090
15	Carbon Fuel Co.	Marion	Marion	14	5,726	19	6,920	19	6,622	19	6,861
16	Freeman Coal Mining Co.	Herrin	Herrin	26	60,045	17	39,290	—	—	—	—
17	Henderson Wallace Coal Co.	Marion	Marion	20	7,072	17	5,909	17	6,128	18	6,147
18	Peabody Coal Co.	No. 3	Marion	19	35,166	13	25,603	7	13,243	—	—
19	Cosgrove-Meehan Coal Co.	No. 2	Marion	26	28,579	24	26,201	13	13,909	—	—
20	Illinois Higrade Coal Co.	Pittsburg	Pittsburg	11	12,296	9	9,672	8	7,124	—	—
21	McLaren Coal Co.	No. 1	Cartersville	20	4,764	22	5,242	13	3,623	13	3,554
22	City Lake Coal Co.	No. 1	Herrin	24	2,001	19	1,597	20	2,064	20	2,042
23	Tregoning Coal Co.	Cartersville	Cartersville	20	250	20	600	24	600	25	1,370
24	Puritan Coal Co.	No. 1	Johnston City	11	1,114	15	1,587	3	305	3	300
25	Ohio Valley Coal Co.	O	Marion	—	—	—	—	—	—	—	—
26	Ogmore Coal Co.	Cambria	Cambria	1	28	4	161	2	59	1	18
	Total			18	722,259	17	698,381	13	405,220	14	322,477

Concluded

## Number of days in operation and tons of coal mined.

May.		June.		July.		August.		September.		October.		November.		December.		Total.		Number.
Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	
24	105,938	19	82,773	23	91,238	20	88,896	21	87,276	15	65,160	14	63,514	18	81,363	182	763,777	1
13	34,277	11	29,197	12	31,754	11	30,009	18	50,022	21	57,843	20	54,489	24	62,091	202	526,664	2
18	45,455	17	42,438	20	48,029	17	41,698	20	49,154	14	33,349	16	36,879	24	56,223	206	493,433	3
16	20,960	21	27,421	14	45,119	20	66,376	15	39,094	21	62,699	18	55,567	22	66,198	169	517,636	4
11	12,260	13	16,513	13	18,809	12	17,138	16	23,315	20	28,874	17	24,356	22	33,113	199	256,968	5
7	9,361	6	9,076	7	9,464	6	6,148	6	7,070	10	14,436	11	17,442	12	16,981	92	128,383	6
8	9,671	4	5,665	8	10,951	8	10,678	6	7,516	7	9,093	4	4,608	4	4,729	85	110,091	7
4	1,249	1	191	3	1,224	16	3,851	20	6,703	18	5,848	20	8,486	22	23,441	92	100,548	8
13	239,171	11	213,274	12	256,588	12	298,834	14	360,490	17	421,306	15	398,053	20	521,816	153	4,120,143	9
		12	2,696					8	2,021					11	4,362	78	34,841	10
13	56,608	6	26,216	10	43,489	10	43,719	8	33,509	14	59,711	17	72,811	18	76,660	146	624,944	11
14	35,371	24	58,562	18	40,038	22	50,312	21	47,736	21	55,084	20	53,089	20	51,470	234	591,660	12
19	47,106	3	7,077	21	40,754	27	41,329	22	43,349	24	53,875	23	49,743	24	47,507	247	532,995	13
19	30,928	15	24,395	18	29,858	15	27,959	20	37,844	22	41,379	21	37,870	23	43,793	233	409,613	14
10	20,818	11	22,656	12	25,646	12	25,714	13	27,563	19	39,780	15	31,087	18	36,298	177	381,418	15
7	19,530	6	18,201	5	15,186	6	17,744	12	31,971	9	27,032	9	26,164	12	36,499	107	313,584	16
6	7,755	11	14,639	10	13,527	12	16,157	21	27,518	26	34,768	17	29,476	17	27,752	171	242,499	17
13	16,271	15	18,616	26	24,970	25	23,966	20	20,199	22	23,079	24	25,122	23	23,307	209	237,146	18
26	15,862	24	14,655	26	15,917	27	16,224	18	11,109	25	15,936	22	13,775	23	13,275	287	175,209	19
14	16,819	13	14,073	14	17,656	13	11,324									116	134,937	20
20	8,412	15	6,513	21	8,525	22	9,149	21	8,510	27	13,067	22	11,513	23	12,801	261	115,285	21
17	6,482	23	8,947	23	9,605	25	11,116	21	8,712	25	11,522	19	8,440	21	9,667	245	100,620	22
16	5,248	19	6,817	17	5,947	16	5,251	17	5,923	21	9,075	21	6,091	22	8,104	221	77,712	23
																39	74,012	24
																63	68,689	25
13	3,265	16	3,636	12	2,473	7	1,258	16	1,457	21	8,821	18	10,555	23	13,814	108	67,182	26
12	1,270	16	1,594	17	1,770	17	2,071	20	2,464	26	3,465	21	3,075	18	2,638	132	29,272	27
21	1,371	18	1,303	10	760	20	1,630	13	1,490	6	458	3	68			180	9,900	28
2	200	6	623				100	2	234	3	324	2	230			48	5,017	29
												15	2,200			15	2,200	30
1	18	1	9	1	23	4	164	3	143	5	207	9	466	12	505	44	1,801	31
13	293,334	13	248,532	15	296,144	16	330,123	16	340,711	18	525,831	16	479,539	19	561,190	148	5,223,741	32

TABLE 8—OUTPUT OF SHIPPING MINES AND AVERAGE

Districts.	Number of days in operation and total tons of coal mined.											
	January.		February.		March.		April.		May.		June.	
	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.
First.....	25	118,634	23	123,226	17	99,542	18	94,988	22	122,251	15	106,769
Second.....	25	220,768	23	200,108	21	176,021	13	124,521	15	112,698	14	110,822
Third.....	24	176,421	21	171,706	11	128,833	16	125,595	14	115,948	14	112,556
Fourth.....	23	961,403	21	883,706	13	613,044	12	552,056	13	517,392	12	439,875
Fifth.....	18	324,078	19	321,737	15	255,566	15	235,898	16	234,936	15	207,257
Sixth.....	21	681,077	19	658,892	14	522,534	13	464,680	17	546,601	15	519,867
Seventh.....	14	429,171	19	394,193	11	236,092	10	199,916	12	236,294	10	180,402
Eighth.....	22	465,020	19	415,327	13	260,471	13	174,920	13	196,567	11	151,575
Ninth.....	20	512,624	19	488,064	15	361,653	14	299,663	13	360,477	13	348,674
Tenth.....	23	1,854,827	22	1,636,401	13	995,076	15	776,847	17	834,629	14	771,322
Eleventh.....	20	534,745	17	467,417	10	255,004	9	188,555	13	239,171	12	215,970
Twelfth.....	18	722,259	17	698,381	13	405,220	14	322,477	13	293,334	13	248,532
Total and average....	21	7,001,027	19	6,459,158	14	4,309,056	13	3,560,416	14	3,810,298	13	3,413,621

TABLE 9—SUMMARY BY DISTRICTS—MINES

Districts.	Number of mines working and average days worked each month of the year.											
	January.		February.		March.		April.		May.		June.	
	Number of mines worked.	Average days worked.	Number of mines worked.	Average days worked.	Number of mines worked.	Average days worked.	Number of mines worked.	Average days worked.	Number of mines worked.	Average days worked.	Number of mines worked.	Average days worked.
First.....	9	6	25	6	23	7	17	6	18	7	22	7
Second.....	12	11	25	11	23	11	21	9	13	8	15	8
Third.....	9	8	24	8	21	8	11	6	16	6	14	6
Fourth.....	20	17	23	17	21	17	13	16	12	16	13	14
Fifth.....	10	10	18	10	19	10	15	9	15	9	16	8
Sixth.....	13	13	21	13	19	13	14	12	13	11	17	11
Seventh.....	16	15	14	15	19	15	11	13	10	13	12	13
Eighth.....	32	30	22	30	19	30	13	20	13	19	13	19
Ninth.....	21	18	20	18	19	17	15	14	14	17	13	16
Tenth.....	18	18	23	17	22	17	13	13	15	13	17	14
Eleventh.....	14	13	20	14	17	14	10	12	9	8	13	9
Twelfth.....	26	25	18	25	17	24	13	19	14	18	13	18
The State....	200	184	21	184	19	183	14	149	13	145	14	143

## DAYS WORKED EACH MONTH BY DISTRICTS.

Number of days in operation and tons of coal mined.											
July.		August.		September.		October.		November.		December.	
Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.
17	126,290	15	140,131	17	122,659	19	147,375	15	129,201	18	136,959
16	123,566	16	132,265	18	149,748	23	182,704	21	178,002	22	207,058
14	106,654	18	139,325	17	130,455	17	166,616	19	178,544	23	207,385
13	457,216	14	528,327	15	597,314	17	698,514	16	719,875	21	846,487
14	201,693	13	192,047	16	196,087	18	209,575	17	206,982	20	305,477
16	493,646	18	559,602	15	518,680	18	651,066	17	615,727	21	741,991
11	214,638	12	231,127	16	284,465	18	322,218	18	327,955	18	374,728
12	169,810	12	176,574	13	206,552	16	291,433	16	289,835	19	332,331
13	393,097	17	432,004	15	459,935	17	607,923	17	588,453	18	637,134
16	946,503	18	1,247,747	19	1,397,799	20	1,492,278	18	1,299,845	23	1,566,174
14	256,588	12	298,834	14	362,511	17	421,306	14	398,053	19	526,178
15	296,144	16	330,123	16	340,711	18	525,831	16	479,539	19	561,090
14	3,785,845	15	4,398,106	16	4,766,916	18	5,716,839	17	5,412,011	20	6,443,002
										162	59,075,995

## IN OPERATION AND AVERAGE DAYS WORKED.

Number of mines working and average days worked each month of the year.											
July.		August.		September.		October.		November.		December.	
Number of mines worked.	Average days worked.	Number of mines worked.	Average days worked.	Number of mines worked.	Average days worked.	Number of mines worked.	Average days worked.	Number of mines worked.	Average days worked.	Number of mines worked.	Average days worked.
7	17	8	15	9	17	8	19	9	15	9	17
9	16	11	16	11	18	11	23	11	21	11	22
6	14	6	13	7	17	8	17	8	19	8	23
15	13	15	14	18	15	26	17	20	16	20	21
9	14	8	13	16	16	8	18	8	17	8	20
10	16	12	18	13	15	13	18	13	17	13	21
14	11	14	12	14	16	15	18	15	17	15	18
19	12	22	12	25	13	26	16	25	16	26	19
16	14	15	17	18	15	19	17	19	17	19	18
14	16	17	18	17	19	17	20	17	18	16	23
8	14	10	12	12	14	11	17	12	14	13	19
17	15	19	16	19	16	20	18	21	16	18	19
144	14	157	15	171	16	176	18	178	17	176	20

TABLE 10—OUTPUT OF SHIPPING MINES BY MONTHS, 1924-1929.

Months.	1924	1925	1926	1927	1928	1929
January.....	9,146,625	8,171,527	7,028,104	8,249,724	5,873,311	7,001,027
February.....	7,173,915	5,084,111	5,280,662	8,041,663	5,753,712	6,459,158
March.....	5,445,671	4,866,666	5,741,023	9,528,946	7,395,453	4,309,056
April.....	3,689,314	3,700,159	4,706,814	226,147	1,220,182	3,560,116
May.....	3,714,795	3,870,779	3,774,146	226,014	2,556,400	3,810,298
June.....	3,603,391	3,789,907	4,026,570	260,538	2,947,504	3,413,621
July.....	3,897,426	4,278,606	4,281,442	350,422	3,158,981	3,785,845
August.....	4,540,048	5,293,423	4,819,411	691,351	3,816,097	4,398,106
September.....	6,239,427	5,365,304	5,277,073	963,833	4,327,025	4,766,916
October.....	6,845,167	6,834,514	6,501,154	4,649,119	5,931,799	5,716,839
November.....	5,841,149	6,576,945	7,936,541	5,430,136	5,420,339	5,412,011
December.....	7,334,048	7,483,093	8,463,201	6,308,540	5,883,381	6,443,102
Total.....	67,470,976	65,315,034	67,836,441	44,926,433	54,284,184	59,075,995

TABLE 11—NUMBER OF MINES OPERATED AND AVERAGE DAYS WORKED EACH MONTH, 1924-1929.

Months.	1924		1925		1926		1927		1928		1929	
	Mines.	Days.	Mines.	Days.	Mines.	Days.	Mines.	Days.	Mines.	Days.	Mines.	Days.
January.....	302	21	236	20	206	19	221	21	181	18	184	21
February.....	298	16	231	13	205	15	219	20	178	16	184	19
March.....	278	13	202	14	189	17	218	22	176	20	183	14
April.....	225	11	173	11	171	16	22	12	90	12	149	13
May.....	196	12	162	12	157	13	19	14	106	14	145	14
June.....	178	13	154	13	155	13	24	16	116	14	143	13
July.....	182	13	166	13	134	17	30	16	127	15	144	14
August.....	188	14	182	16	169	15	58	18	131	17	157	15
September.....	214	16	191	16	181	16	75	19	171	15	171	16
October.....	227	17	200	19	194	19	181	18	184	18	176	18
November.....	225	15	205	18	223	20	185	17	186	17	178	17
December.....	236	18	208	20	231	21	186	19	187	18	176	20
Total and average....	329	183	255	141	244	155	241	112	206	150	200	162





TABLE 12—CLASSIFICATION OF

Number.	Name of operator.	Postoffice of mine.	Underground.												
			Bratticemen.	Cagers.	Drivers.	Boo drivers.	Electricians and helpers.	Mechanical loading machine operators.	Mine examiners.	Mine managers and assistants.	Machine miners.	Pick miners.	Motormen and assistants.	Machine helpers.	Machine runners.
BUREAU COUNTY—FIRST DISTRICT.															
1	Cherry Coal Co., No. 2	Cherry		1	1					1			10		
GRUNDY COUNTY—FIRST DISTRICT.															
1	Sunlight Coal Co., No. 7	Verona	2	1	21		6	1	2	5	135		12	12	12
HENRY COUNTY—FIRST DISTRICT.															
1	Shuler Coal Mining Co	Alpha		1	3				1	1		50			
2	Midland Electric Coal Co., No. 1	Atkinson													
	Total			1	3				1	1		50			
LA SALLE COUNTY—FIRST DISTRICT.															
1	LaSalle Co. Carbon C. Co., No. 1	Jonesville	2	13	1				1	2	80	82	2	4	2
2	Illinois Zinc Co., No. 3	Peru	2	9					1	2		138	2		
3	LaSalle Co. Carbon C. Co., Union	Peru	2	10	1				1	2	135		1	10	5
4	LaSalle Co. Carbon C. Co., LaSalle	LaSalle	2	8	1				1	1	81		1	6	2
	Total		8	40	3				4	7	296	220	6	20	9
WILL COUNTY—FIRST DISTRICT.															
1	Northern Ill. Coal Co., No. 10	Wilmington													
LOGAN COUNTY—SECOND DISTRICT.															
1	Brewerton Coal Co., No. 92	Lincoln	2	16			1		2	2		212	3		
PEORIA COUNTY—SECOND DISTRICT.															
1	Crescent Coal Co., No. 6	Peoria	1	4	26	1	5		2	3	232	37	6	11	15
2	Crescent Coal Co., No. 1	Peoria	1		22	1	2		2	3	214		5	12	16
3	Dorthel Coal Co., No. 1	Hanna City		1	8	1	2		1	1			2	9	9
4	Crescent Coal Co., No. 5	Peoria			5		1		1	2	54		2	3	5
5	Central West Coal Co., No. 3	Edwards			6		1		1	1	65		2	3	3
6	East Mapleton Coal Co	Peoria			2					1		13			
	Total		2	5	69	3	11		7	11	565	50	17	38	48
TAZEWELL COUNTY—SECOND DISTRICT.															
1	Crescent Coal Co., No. 2	Peoria		3	9	1	2		1	3	124		5	7	10
2	Lake Erie Mining Co	Peoria			7	1	1		1	1	95		4	10	10
3	Ubben Coal Co	Pekin		1	3				1	1	40		1	3	3
	Total			4	19	2	3		3	5	259		10	20	23
WOODFORD COUNTY—SECOND DISTRICT.															
1	W. G. Sutton, No. 2	Minonk		2	6				1	1		125	2		
2	Roanoke Coal Co	Roanoke		1	6				1	1		50	1		
	Total			3	12				2	2		175	3		

## MINE EMPLOYEES—SHIPPING MINES.

Underground.										On surface.															Total—All employees.	Number.		
Pumpmen and pipemen.	Shot firers.	Shot firers' runners.	Spraggers.	Stablemen.	Timbermen.	Trackmen.	Trappers.	All others underground.	Total underground.	Blacksmith.	Blacksmith helpers.	Carpenters.	Engineers.		Freemen.	Top foremen.	Machinists and helpers.	Picking table workers.	Superintendents.	Stablemen—top.	Watchmen.	Weightmen.	Office employees at mine.	Others on surface.			Total on surface.	
5			2		12	12	3	39	282	1	1	1	3		1	1			6	1	1		1	3	8	28	310	1
	1			1	1	1		2	62	1	1	2	3	3		3	1		2	1		1	1	2	41	7	69	1
	1			1	1	1		2	62	1	1	2	4	3		3	1		12	2		1	3	3	41	77	139	
			2	1	2	2		10	206	1	1	1	3			1	1		1		2				4	16	222	1
				1	1	1		8	164	1			2			1				1	1	1		7	14	178	2	
			3	1	2	2		10	185	1	1	1	3	3		1			1				1		3	14	199	3
			1	1	2	1		7	115	1		1	3		1			1		5				3	3	16	131	4
			6	3	7	6		35	670	4	2	3	11		1	4	1	3	2	10	1	1	1	17	60	730		
										3	1	1		15		1	1		6	1	2	1	3	136	171	171	1	
1	4		1	1	3	4	2	2	256	2		2	3	1	1	1			1			1	2		14	270	1	
3	6		3		3	15	6	23	402	2		3	1			1			1	1	1	1	1	10	21	423	1	
6	6		4		12	12	6	19	343	2	1	3				1	1		1	1	1	1	2	13	27	370	2	
	4		1	1	2	2	1	144	189	2		1	3					1		1	1	1	2	3	12	201	3	
3	2		1		2	4	2	3	90	1		1	1			1			1	1	1	1	6	14	104	4		
	4						1		87	1									1		1	1	1	2	6	93	5	
					2	1	1	2	22				1			1					1	1			4	26	6	
12	22		9	1	21	34	17	191	1,133	8	1	8	6		1	3	1		2	3	3	6	8	34	84	1,217		
4	7				3	5		2	186	1		1	2			1				1	1	1	1	3	12	198	1	
1	4				2	2	1		140	1	1					1				1	1	1	2	4	13	153	2	
					1	1			55	1			1						1			1		1	5	60	3	
5	11				6	8	1	2	381	3	1	2	3		2				1	2	2	3	3	8	30	411		
								3	142	1			2				1		2	1		1					153	1
					1	1		3	65	1			2	2	1	1			1			1		2	11	74	2	
					1	3		6	207	2			4	1	1	1	1	2	2		1	2	3	20	227			

TABLE 12—

Number.	Name of operator	Postoffice of mine.	Underground.												
			Bratticemen.	Cagers.	Drivers.	Boss drivers.	Electricians and helpers.	Mechanical loading machine operators.	Mine examiners.	Mine managers and assistants.	Machine miners.	Pick miners.	Motormen and assistants.	Machine helpers.	Machine runners.
FULTON COUNTY—THIRD DISTRICT.															
1	Canton Coal Co.	Canton	1	3	18	1	1		1	2	187		9	13	13
2	United Electric Coal Co., No. 9	Cuba													
3	Dorthel Coal Co., No. 2	Farmington		1	12		2		1	1	148	38	4	7	7
4	Truax Traer Coal Co.	St. David													
5	Dorthel Coal Co., No. 3	Farmington		1	6				1	1	45	34	1	3	3
6	Illinois Colliery Co.	Farmington		1	6				1	1	43	31		2	2
7	Rawalt Coal Co.	Canton		1	4	1	1		1	2	44	22	1	3	3
8	Putnam Coal Co., No. 1	Breeds			2				1	1	18				
Total			1	7	48	2	4		6	8	485	125	15	28	28
KNOX COUNTY—THIRD DISTRICT.															
1	Galesburg Mining Co.	Galesburg	1	1	11		1		1	3	50	74	3		
CHRISTIAN COUNTY—FOURTH DISTRICT.															
1	Peabody Coal Co., No. 8	Tovey	2	2			16		3	8	600		40	51	51
2	Peabody Coal Co., No. 7	Tovey	4	2			16	3	3	7	550		50	18	54
3	Peabody Coal Co., No. 58	Taylorville	1	2			12	22	2	8	80	316	36	11	11
4	Peabody Coal Co., No. 9	Langleyville					15	28	2	10	21		42	17	17
5	Penwell Coal Co.	Pana	2	13	1				2	1	8	250	2		
6	Pana Coal Co., No. 1	Pana	1	8	1				1	1		139	3		
7	H. F. Young Coal Co.	Edinburg	1	3						1		18			
Total			7	10	24	2	59	53	13	36	1259	723	173	97	133
SANGAMON COUNTY—FOURTH DISTRICT.															
1	Panther Creek Mines, Inc., No. 1	Auburn	4	1			3		3	7	6	575	30		
2	Peabody Coal Co., No. 55	Springfield	2	2	29		1		2	5	18	542	6		
3	Peabody Coal Co., No. 57	Springfield	1	2	25		5		2	4		390	10		
4	The Mine "B" Coal Co., "B"	Springfield		2	18		1		2	2		380	8		
5	Peabody Coal Co., No. 51	Springfield	1	2	17	2	4		1	4	100	40	2	10	10
6	Central Ill. Coal Mining Co., A	Springfield	1	1	10				1	2		185	6		
7	Peabody Coal Co., No. 53	Springfield	1	1	21		5		1		20	126	8	11	11
8	Panther Creek Mines, Inc., No. 4	Springfield	1	1	15		1		1	3		227	6		
9	Sangamon Coal Co., No. 21	Springfield	1	1	21	1			2	2		275	4		
10	Panther Creek Mines, Inc., No. 3	Springfield	1	1	12		1		1	3		225	4		
11	Brewerton Coal Co., No. 81	Springfield	1	1	9				1	1		102	2		
12	Peabody Coal Co., No. 52	Riverton	1	1	16		6	96	2	5	11		6	11	11
13	Panther Creek Mines, Inc., No. 5	Springfield	1	1	10				1	1		190	4		
Total			9	17	203	3	27	96	20	39	155	3257	96	32	32
EDGAR COUNTY—FIFTH DISTRICT.															
1	Twin States Mining Co.	Clinton, Ind.													
MACON COUNTY—FIFTH DISTRICT.															
1	Macon County Coal Co.	Decatur	2		16	1	3		1	3	160		4	9	9

Continued.

Underground.										On surface.																		
Pumpmen and pipemen.	Shot firers.	Shot firers' runners.	Spraggers.	Stablemen.	Timbermen.	Trackmen.	Trappers.	All others underground.	Total underground.	Blacksmith.	Blacksmith helpers.	Carpenters.	Engineers.		Firemen.	Top foremen.	Machinists and helpers.	Picking table workers.	Superintendents.	Stablemen—top.	Watchmen.	Weighmen.	Office employees at mine.	Others on surface.	Total on surface.	Total—All employees.	Number.	
4				1	4	7	1	3	269	2			3		6	2	1	2	15	1		1		6	16	285	1	
4			2	1	2	6			236	3		3	1		1	2		15	1		1	4	70	104	104	2		
1	3		1	1	1	4			106	2		2	1		4	2		9	1		1	2	32	55	55	4		
2					1	1			91	1			1		1			1	1			1	1	1	8	99	6	
2					1	2		1	87	1			2		1	1			1			2	1	1	8	95	7	
									24													1	2	3	27	8		
1	15		3	3	9	20	1	4	813	11		5	8	13		9	1	26	5		2	9	10	119	218	1,031		
1	2			1	1	6	2	10	168	2	1		2		1	1		2	1			1	1	2	14	182	1	
2			2		8	21			806	4	2	1	3			1	1		8	1		2	3	3	28	57	863	1
			2	3	13	23		54	802	2	3	1	3			1	1		16	1		2	3	3	24	60	862	2
4			2		17	14		20	558	2	2	1	3			1	1		5	1		1	2	3	16	39	597	3
1			2		12	16		112	295	2	1	2	3	3		1	1		14	1		2	2	3	25	60	355	4
			4	1	6	4	6	10	310	2		1	3		3		1		7	1		1	4	11	34	344	5	
2			2		2	2	1	5	168	1		1	3	1	2	1			1			1	3	7	22	190	6	
									24				2						1			1	1	1	6	30	7	
3	6		14	4	58	81	7	201	2,963	13	8	7	20	4	6	5	5	50	7		8	13	20	112	278	3,241		
5			1		20	18	2	12	687	1	1	2	3		1	4	1		2	1		1	4	18	39	726	1	
6			2	1	9	14	5	28	672	2		3	3		1	2	1		1	1		2	4	11	32	704	2	
1	5		1	1	10	6	8	53	524	2			3		1	1	1		2	1		1	6	16	37	561	3	
4			3	1	12	14	3	11	461	1	1	1	3		1	1	1		1	1		1	5	6	24	485	4	
2		4	2	1	14	14	4	6	240	2	1	4	3		1	1	1		4	1		1	3	9	32	272	5	
2			2	1	2	6	3	5	226	1		1	3			1			1	1		1	3	9	20	246	6	
			2	1	11	11	1	2	232	2		1	3			1			4	1		1	5	8	27	259	7	
4			2	1	5	5	2	22	295	1		1	3			1	1		1	1		2	3	8	22	317	8	
1	4		1	1	4	5	4	14	340	1		2	1	3		1	1		1	1		1	2	7	20	360	9	
4			1	1	5	8	2	12	280	1			3			1	1		1	1		1	2	14	25	305	10	
2			1	1	2	1		3	126	1			2			1			1	1		1	1	4	11	137	11	
1		2	1	1	10	10	2	39	232	2	1	2	3		1	2	1	2	3	1		1	4	7	30	262	12	
2			2	1	2	5	2	6	227	1		1	3		1	1			1			1	3	4	16	243	13	
5	38	6	21	12	106	117	38	213	4,542	18	4	18	36	9	15	12	5	19	12	2	3	16	45	121	335	4,877		
													2		2			3						10	17	17	1	
				1	2	3		37	251	1	1		3	1	1	1			1		1	1	8	6	25	276	1	

TABLE 12—

Number.	Name of operator	Postoffice of mine.	Underground.												
			Bratticemen.	Cagers.	Drivers.	Boys drivers.	Electricians and helpers.	Mechanical loading machine operators.	Mine examiners.	Mine managers and assistants.	Machine miners.	Pick miners.	Motormen and assistants.	Machine helpers.	Machine runners.
VERMILION COUNTY—FIFTH DISTRICT.															
1	U. S. Fuel Co., "Buns"-----	Georgetown-----	10	4	12	---	10	---	6	16	662	6	39	29	29
2	U. S. Fuel Co., Verm-----	Georgetown-----	9	4	29	---	12	---	5	15	530	19	29	23	23
3	Peabody Coal Co., No. 24-----	Danville-----	3	1	30	---	13	18	2	7	185	---	10	18	19
4	United Electric Coal Co., No. 1-----	Danville-----	---	---	---	1	---	---	---	---	---	---	---	---	---
5	United Electric Coal Co., No. 14-----	Danville-----	---	9	---	---	---	1	1	91	---	---	6	---	---
6	Taylor English Coal Co., No. 2-----	Catlin-----	---	1	5	1	1	---	1	1	37	27	---	2	2
7	United Electric Coal Co., No. 12-----	Danville-----	---	---	---	---	---	---	---	---	---	---	---	---	---
8	McComb Coal Co-----	Danville-----	---	---	1	---	---	---	---	---	---	10	---	---	---
Total-----			22	19	77	2	36	19	15	130	1414	62	84	78	73
MACOUPIN COUNTY—SIXTH DISTRICT.															
1	Superior Coal Co., No. 4-----	Gillespie-----	6	3	---	---	16	---	5	11	349	---	38	24	24
2	Superior Coal Co., No. 3-----	Gillespie-----	7	4	2	---	10	---	4	7	423	---	40	20	29
3	Superior Coal Co., No. 2-----	Gillespie-----	6	4	---	---	8	---	4	7	367	---	30	23	23
4	Superior Coal Co., No. 1-----	Gillespie-----	4	3	5	---	15	---	2	12	195	---	26	11	11
5	Consolidated Coal Co., No. 15-----	Mt. Olive-----	1	1	---	---	11	28	3	9	75	---	50	14	14
6	Madison Coal Corp., No. 5-----	Mt. Olive-----	---	1	11	---	---	---	2	4	145	---	8	22	22
7	Consolidated Coal Co., No. 7-----	Staunton-----	1	1	3	---	3	68	1	4	60	---	13	7	7
8	Gillespie Coal Co-----	Gillespie-----	1	1	12	1	2	48	1	3	60	---	3	7	7
9	South Mine Coal Co., S. M-----	Carlinville-----	---	1	3	---	---	---	1	1	12	---	---	1	1
Total-----			26	19	40	1	66	144	23	58	1686	---	208	138	138
MONTGOMERY COUNTY—SIXTH DISTRICT.															
1	Indiana & Illinois Coal Corp., No. 10-----	Nokomis-----	4	3	---	1	14	---	2	8	---	204	42	11	11
2	Cosgrove Meehan Coal Co., No. 5-----	Panama-----	7	2	11	1	8	---	3	11	170	---	31	17	18
3	Hillsboro Coal Co-----	Hillsboro-----	2	2	18	---	2	---	2	4	140	---	10	3	20
Total-----			13	7	29	2	24	---	7	23	310	204	83	31	49
SHELBY COUNTY—SIXTH DISTRICT.															
1	Moweaqua Coal Mining Co., No. 1-----	Moweaqua-----	---	1	5	---	---	---	1	1	76	---	1	---	---
BOND COUNTY—SEVENTH DISTRICT.															
1	Pocahontas Mining Co., No. 1-----	Pocahontas-----	---	1	12	---	3	---	2	3	100	---	4	---	20
MADISON COUNTY—SEVENTH DISTRICT.															
1	Madison Coal Corp., No. 2-----	Glen Carbon-----	---	4	27	1	7	---	3	6	356	---	12	24	24
2	Mt. Olive & Staunton Coal Co., No. 2-----	Staunton-----	1	6	42	1	10	264	3	8	151	---	8	22	22
3	Lumaghi Coal Co., No. 2-----	Collinsville-----	1	1	---	---	5	---	2	6	241	---	20	13	13
4	Peabody Coal Co., No. 17-----	Edwardsville-----	1	1	---	---	6	96	2	7	---	---	35	12	13
5	New Staunton Coal Co., No. 1-----	Livingston-----	---	1	---	---	5	---	3	4	248	---	26	18	18
6	Bullock Mining Co-----	Collinsville-----	---	2	7	---	---	---	1	---	---	64	---	---	---
7	Troy Mining Co., No. 1-----	Troy-----	---	1	9	---	2	---	1	1	73	---	2	6	6
8	Collinsville Coal Corp-----	Collinsville-----	---	1	2	---	---	---	1	1	---	36	---	---	---
9	Bunker Hill Coal & Mining Co-----	Collinsville-----	---	1	4	---	---	---	1	---	28	---	---	2	2
10	Henrietta Coal Co., Henrietta-----	Edwardsville-----	---	1	4	---	---	---	1	1	26	---	---	4	4
11	Carlin Coal Co., J-----	Bethalto-----	---	---	2	---	---	---	---	1	10	---	---	---	2
12	Henrietta Coal Co., H. T-----	Edwardsville-----	---	1	2	---	---	---	1	1	25	---	1	2	2
13	East Side Coal Co., No. 1-----	Edwardsville-----	---	---	2	---	---	---	---	---	14	---	---	---	---
Total-----			3	20	101	2	35	360	19	37	1172	100	104	103	106



TABLE 12—

Number.	Name of operator	Postoffice of mine.	Underground.												
			Bratticemen.	Cagers.	Drivers.	Boss drivers.	Electricians and helpers.	Mechanical loading machine operators.	Mine examiners.	Mine managers and assistants.	Machine miners.	Pick miners.	Motormen and assistants.	Machine helpers.	Machine runners.
MARION COUNTY—SEVENTH DISTRICT.															
1	Marion County Coal Co.	Centralia	2	1	19		8	14	2	8	19		15	10	10
2	Odin Coal Co.	Odin		4	10		1		1	1	129		3	11	10
Total			2	5	29		9	14	3	9	148		18	21	20
CLINTON COUNTY—EIGHTH DISTRICT.															
1	Southern Coal Coke Co., N. B. No. 9	New Baden	5	1			3		2	3	130			13	13
2	Breese-Trenton Mining Co., N. B.	Breese		1	10		4	4	1	5	46		4	8	4
3	Breese-Trenton Mining Co., East	Breese		2	11		1		1	1	126		8	6	6
Total			5	4	21		8	4	4	9	302		12	27	23
ST. CLAIR COUNTY—EIGHTH DISTRICT.															
1	United Electric Coal Co., No. 13	Danville													
2	St. Louis & O'Fallon C. Co., No. 2	E. St. Louis	1	2	9	1	6		3	9	250		17	25	25
3	Aluminum Ore Co.	Belleville		2	8		4		1	6	53		5	5	5
4	Southern C. C. & M. Co., No. 7	Belleville	4	1	11		3	10	1	3	35				
5	Perry Coal Co., T	O'Fallon			10		2		1	3	50	40	4	3	3
6	Groom Coal Co.	Belleville		2	8		1		1	1	39		2	2	2
7	Gundlach Coal Co.	E. St. Louis			4		1		1	1	48		3		8
8	Perry Coal Co., St. E	O'Fallon		1	7		2		1	2	28	36	2	3	3
9	Service Coal Co.	Belleville		1	4				1	1		60	1		
10	Golden Rule Coal Co	Lenzburg		2	5			20	1	1		19	2		
11	Mulberry Hill Coal Co.	Freeburg		1	12				1	1	3	165	4		
12	Ell. Rich Mining Co.	Belleville		1	4				1	1		40	1		
13	Perry Coal Co., Sup.	Belleville	1	1	5		1		1	1	20		1	2	2
14	Southern C. C. & M. Co., No. 6	Belleville			4				1	1		36		2	2
15	New National Coal Mining Co.	Belleville			4				1	1	24		2	2	2
16	Reichert Coal Co.	Freeburg		2	6				1	1		72	2		
17	Guest Coal Co.	Belleville		3	5				1	2	58		1	4	4
18	Quality Coal Mining Co.	Belleville		2	6				2	1	12	40	1	1	1
19	Summit Coal Co.	Belleville		2	3				2	1		35			
20	Eldnar Coal Co.	Belleville			2				1	1		25	2		
21	Lyle Coal Co.	Marissa	1	2	5				1	1		68	2		
22	Kolb Coal Co., No. 1	Mascoutah		1	6				1	1		90	1		
23	Perry Coal Co., Carbon	O'Fallon		1	9		1		1	2	25	15	2	3	3
24	Vinegar Hill Coal Co.	Lenzburg		2	3				1	1		35	1		
25	Jones Bros Mining Co., No. 1	Marissa		1	6				1			64			
26	Fullerton Coal Co.	Belleville			2					1		20			
27	Lou Nash Coal Co., No. 2	Belleville		1	3					1		38			
28	Hippard Coal Co.	Belleville			2					1	10			1	1
29	Kolb Coal Co., No. 2	Mascoutah		2	8				1	1		83	1		
Total			7	34	161	1	21	30	29	47	655	984	59	51	59
JACKSON COUNTY—NINTH DISTRICT.															
1	Union Coll. Co., Kath.	Dowell	4	3			25	20	5	14	140		50	20	20
2	Truax Traer C. Co., B. S.	Elkville													
3	Truax Traer C. Co., Forsythe	DeSoto													
Total			4	3			25	20	5	14	140		50	20	20



Continued.

Underground.										On surface.															Total—All employees.					
Pumpmen and pipemen.	Shot firers.	Shot firers' runners.	Spraggers.	Stablenen.	Timbermen.	Trackmen.	Trappers.	All others underground.	Total underground.	Blacksmith.	Blacksmith helpers.	Carpenters.	Hoisting.	Other.	Engi- neers.	Firemen.	Top foremen.	Machinists and helpers.	Picking table workers.	Superintendents.	Stablenen—top.	Watchmen.	Weighmen.	Office employees at mine.	Others on surface.	Total on surface.	Number.			
---	---	---	3	1	11	9	---	56	188	3	2	4	4	---	---	6	1	1	---	5	1	---	2	1	4	14	48	236	1	
---	---	---	---	---	4	2	---	---	176	1	1	---	2	---	---	4	1	---	---	1	---	---	2	3	12	27	203	---	2	
---	---	---	3	1	15	11	---	56	364	4	3	4	6	---	---	10	2	1	---	5	2	---	2	3	7	26	75	439	---	
1	---	---	2	---	2	12	---	10	197	1	2	---	3	---	---	3	1	1	---	6	---	---	---	1	3	9	30	227	1	
---	8	---	---	1	9	9	1	---	115	2	1	2	3	---	---	2	1	1	16	1	---	---	---	1	10	40	155	---	2	
---	---	2	1	6	6	6	2	---	179	1	---	1	3	---	---	2	1	1	---	1	1	1	2	1	6	20	20	199	3	
1	8	---	4	2	17	27	3	10	491	4	3	3	9	---	---	7	3	3	22	2	---	1	3	5	25	90	581	---	---	
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	4	1	1	21	3	2	401	2	2	1	6	---	---	6	1	2	11	6	6	---	---	---	25	8	61	61	1	
10	---	---	1	1	1	4	---	39	145	1	---	2	3	---	---	3	1	1	12	1	1	1	3	4	5	32	433	2		
2	---	---	1	5	10	4	---	---	90	2	---	---	3	---	---	2	1	---	25	1	---	---	---	10	28	44	173	3		
2	---	---	1	1	1	2	1	---	126	1	---	1	2	---	---	1	1	---	2	1	---	1	1	3	19	145	5			
4	---	---	1	---	---	4	---	5	73	1	---	1	1	---	---	1	---	---	2	---	---	---	---	1	11	8	84	6		
1	---	---	---	---	---	3	---	10	87	1	---	1	1	---	---	1	---	---	3	---	---	---	---	1	12	112	7			
1	---	---	---	1	---	3	---	7	100	1	---	1	1	---	---	1	1	---	---	1	---	---	---	1	8	10	85	9		
4	---	---	---	---	1	1	---	---	59	1	---	---	2	---	---	1	---	---	---	1	---	---	---	2	7	66	10			
6	---	---	2	1	1	2	---	---	200	1	---	---	1	---	---	1	1	---	---	1	1	1	1	2	1	16	216	11		
2	---	---	---	---	1	1	---	6	59	1	---	1	1	---	---	1	1	---	---	1	---	---	---	1	13	7	72	12		
2	---	---	---	---	1	1	---	---	39	1	---	1	2	---	---	1	---	---	---	---	---	---	---	1	7	46	13			
3	---	---	---	---	1	1	---	---	40	1	---	---	1	---	---	1	---	---	---	---	---	---	---	1	8	6	52	14		
4	---	---	---	---	---	2	---	2	92	1	---	1	1	---	---	1	1	---	1	---	---	---	---	1	1	8	46	15		
1	---	---	---	1	---	1	---	---	82	1	---	---	1	---	---	1	---	---	---	---	---	---	---	2	1	1	100	16		
1	6	---	---	---	3	---	---	---	76	1	---	1	1	---	---	1	1	---	---	1	2	1	---	---	9	91	17			
2	---	---	---	1	---	1	---	---	46	1	---	1	1	---	---	1	1	---	---	---	---	---	---	2	7	83	18			
4	---	---	---	---	2	2	---	---	37	1	---	1	1	---	---	1	1	---	---	---	---	---	---	3	5	42	20			
2	---	---	---	1	---	2	---	---	87	1	---	---	2	---	---	1	1	---	---	---	---	---	---	1	9	96	21			
2	---	---	---	---	2	---	---	---	108	1	---	1	1	---	---	1	1	---	2	---	---	---	---	1	8	116	22			
2	---	---	---	1	---	3	---	32	100	1	---	1	1	---	---	1	1	---	---	---	---	---	---	1	12	112	23			
4	---	---	---	---	2	---	---	---	49	1	---	1	1	---	---	1	---	---	---	---	---	---	---	1	5	54	24			
2	---	---	---	1	3	---	---	---	81	1	---	---	2	---	---	1	---	---	1	---	---	---	---	3	9	90	25			
---	---	---	---	---	---	1	---	---	25	---	---	---	1	---	---	1	---	---	---	---	---	---	---	1	3	28	26			
---	---	---	---	---	1	---	---	1	45	1	---	---	1	---	---	1	---	---	---	---	---	---	---	1	5	50	27			
---	---	---	---	---	---	---	---	---	16	---	---	---	1	---	---	1	---	---	---	---	---	---	---	1	2	18	28			
2	---	---	---	2	4	---	---	---	104	1	---	1	1	---	---	1	---	---	1	---	---	---	1	9	2	113	29			
4	89	---	11	10	24	91	5	114	2,486	30	2	11	50	2	28	10	3	68	15	12	24	24	101	380	2,866	---	---			
3	---	---	---	---	10	28	7	1	350	3	3	6	1	3	---	2	2	34	2	1	1	2	8	22	90	440	1			
---	---	---	---	---	---	---	---	---	---	1	1	1	5	1	9	11	1	11	1	2	2	2	8	103	145	145	2			
---	---	---	---	---	---	---	---	---	---	2	1	2	---	5	3	2	16	1	1	1	2	3	98	135	135	3				
3	---	---	---	---	10	28	7	1	350	6	5	9	2	13	1	6	13	61	4	1	5	2	19	223	370	720	---			

TABLE 12—

Number.	Name of operator.	Postoffice of mine.	Underground.												
			Brattiem.	Cagers.	Drivers.	Boss drivers.	Electricians and helpers.	Mechanical loading machine operators.	Mine examiners.	Mine managers and assistants.	Machine miners.	Pick miners.	Motormen and assistants.	Machine helpers.	Machine runners.
PERRY COUNTY—NINTH DISTRICT.															
1	Pyramid Coal Corp.	Pinckneyville													
2	Crerar Clinch Coal Co., Majestic	Duquoin	1	2	10	4	9		3	2	367	37	10	18	18
3	Gayle Coal Co.	Duquoin													
4	Perry Coal Co., "Perco"	Coulterville	1	2	13		2		1	3	108	18	4	9	9
5	Security Coal & Mining Co., No. 1.	Duquoin	2	1	17		3		1	3	158		8	8	8
6	Perfection Coal Co., Perfection	Duquoin													
7	United Electric Coal Co., No. 11.	Duquoin													
8	Wilson Coal & Mining Co.	Cutler	1	2	6		1	1	1	2		63		2	2
9	Brewerton Coal Co., No. 45	Pinckneyville	1	1	7	1	1		1	1		115	2		
10	Delco Mining Co., "B. E."	Swanwick		1	7		1		1	2	47	63	2	4	4
11	Bailey Bros., "Diamond"	Duquoin			1				1	1	6				2
Total			6	9	61	5	17	1	9	14	686	296	26	41	43
RANDOLPH COUNTY—NINTH DISTRICT.															
1	Moffat Coal Co.	Sparta	1	2	25		6	2	1	5	242		9	14	14
2	St. Louis Coal Co., "Florida"	Coulterville	1	1	15	1	2		1	2	168		2	12	12
3	Jones Bros. C. M. Co., No. 2.	Marissa		1	4		1		1			125	4		
4	Sparta Coal Co.	Sparta		1	7		1		1	2	80		3	5	5
5	Geo. Wilson Coal Co., No. 1.	Sparta		1	1		1		1	1	4				
Total			2	6	52	1	11	2	5	11	494	125	18	31	31
WASHINGTON COUNTY—NINTH DISTRICT.															
1	Centralia Coal Co., No. 5	Centralia	1	1			12	12	1	9	55		30	9	9
2	Clarkson Coal Co.	Nashville		1	7		1		1	1	73		1	4	4
Total			1	2	7		13	12	2	10	128		31	13	13
FRANKLIN COUNTY—TENTH DISTRICT.															
1	C. W. F. Coal Co., No. 2.	West Frankfort	8	3			60	62	23	38	495		145	40	40
2	Bell & Zoller Coal M. Co., No. 1.	Zeigler	3	1			35	17	6	26	238	12	109	27	27
3	Bell & Zoller Coal M. Co., No. 2	Zeigler	9	2			5		11	11	620		77	38	35
4	C. W. & F. Coal Co., No. 1.	Orient	4	3			6	2	8	13	660	40	48	47	47
5	Old Ben Coal Corp., No. 14.	Buckner	4	2			17		5	14	391		49	24	24
6	Old Ben Coal Corp., No. 8.	West Frankfort	2	2	1		20	14	7	19	277		66	45	19
7	Old Ben Coal Corp., No. 15.	Ezra	2	2	1		14		2	13	282		42	16	16
8	Franklin County Coal Co., No. 7.	Royalton	5	2			12	5	5	15	260	58	48	28	28
9	Valier Coal Co., No. 1.	Valier	4	2			25	10	9	18	307	25	72	28	28
10	Franklin County Coal Co., No. 5.	Herrin	2	2	36		8	8	5	8	375	45	12	16	16
11	Peabody Coal Co., No. 18.	West Frankfort	4	2			14		7	9	530		53	22	62
12	Peabody Coal Co., No. 19.	West Frankfort	3	2	28		10		6	4	386		6	16	23
13	Brewerton Coal Corp., No. 21.	West Frankfort	3	2	1	1	11	9	2	1	90		40	13	13
14	Old Ben Coal Co., No. 11.	Christopher	2	2			10		7	8	395	10	48	25	36
15	Franklin County Mining Co.	Benton	2	2	17	1	5	3	2	5	110	6	14	14	14
16	Brewerton Coal Co., No. 22.	Sesser	2	2		1	9	9	2	9	18	16	28	9	9
17	Black Star Coal Co.	Logan	1	1	12		2		1	4	79		4	8	8
18	Old Ben Coal Corp., No. 12.	Christopher	2	2			10		5	6	380	5	41	21	29
Total			62	36	96	3	273	139	113	221	5893	217	902	437	474
GALLATIN COUNTY—ELEVENTH DISTRICT.															
1	Saline Gas Coal Co., No. 4.	Equality		1	7		1	1	1			80	3		

Continued.

Underground.													On surface.													Total—All employees.	Number.		
Pumpmen and pipemen.	Shot firers.	Shot firers' runners.	Spraggers.	Stablenen.	Timbermen.	Trackmen.	Trappers.	All others underground.	Total underground.	Blacksmith.	Blacksmith helpers.	Carpenters.	Engineers.	Hoisting.	Other.	Firemen.	Top foremen.	Machinists and helpers.	Picking table workers.	Superintendents.	Stablenen—top.	Watchmen.	Weighmen.	Office employees at mine.	Others on surface.			Total on surface.	
1	4		3	1	2	12	2	2	536	1	2	1		4	15	15	1	2	15	9	1	1	1	5	108	175	175	1	
2	12	2	1	1	24	9	2	29	228	1	1	1			37	5	1	3	4	2	1	1	1	5	23	59	595	2	
								5	234	1	1	2		2	1	4	1	1	4	4	1	1	1	1	21	83	83	3	
									89	1	1	1			15	15	2	3	1	1	1	1	1	5	34	7	20	247	4
1	2		1	1	1	4	2	4	140	1	1	1			1	1	1		3	1	1	1	1	1	10	99	99	5	
									145	1	1	1			1	1	1		2	1	1	1	1	1	3	10	150	9	
									11						1	1	1		1	1	1	1	1	1	6	17	162	10	
																									2	13	11	11	
5	16	2	8	4	9	50	4	69	1,381	14	6	8	15	52	48	6	11	57	26	3	6	6	23	376	657	2,038	--	--	
1			3	2	1	16	2	5	351	1	1	1	1	1	2	1	1		4	1	1	1	3	9	25	376	1	2	
	2		2	1	6	8	2		240	2		1	3	3	1	1	1		4	1		1	1	1	6	22	262	3	
1				1	2	4			147	1			2	2	1	1	1		2	1		1	1	3	9	156	4	4	
	2								115	1	1	1	1	1	1	1	1		1	1		1	1	1	12	127	4	5	
									11											1					3	14	5		
2	6		5	5	9	32	4	12	864	5	3	9	9	1	5	1	1	10	5		1	4	6	20	71	935	--	--	
									165	2	1	2	1	2	5	1	1	15	1	1	1	1	4	6	43	208	1	1	
						4			97	1	1	1	1	1	2	1	1					1	1	4	13	110	2	2	
									262	3	1	3	2	4	6	2	1	15	1	1	1	2	5	10	56	318	--	--	
2	15		2		53	77	15		1,078	3	3	2	5	4	2	3	5	7	66	1	1	2	14	52	166	1,244	1	1	
1	1		1		30	71	10	3	618	2	2	2	4	2	3	1	7	28	1	1	1	7	43	102	720	2	2		
1	10		5		12	61	10	20	927	2	2	2	4	3	3	1	1	34	1	1	2	6	55	97	1,024	3	3		
1	9		11		15	47	21	4	986	4	2	2	4	2	3	4	2	3	1	1	1	9	65	138	1,124	4	4		
1	22		2		12	34		23	624	2	2	5	2	2	1	4	25	10	1	1	2	4	38	88	712	5	5		
2	24		3		23	33	2	52	611	1	1	1	4	1	1	1	4	1	1	1	11	41	75	686	6	6			
	22				11	24	4	28	479	1	1	3	2	2	3	1	1	13	1	1	2	10	23	63	542	7	7		
	4		8		5	25	8	155	671	1	1	5	1	3	3	1	7	26	1	1	1	10	48	109	780	8	8		
2	36				18	42		132	758	3	3	4	4	4	2	3	3	4	1	1	2	8	24	61	819	9	9		
1	4	1			18	25	16	45	645	4	2	3	2	2	4	1	2	16	1	1	1	9	25	75	720	10	10		
1	6				16	20	6	35	789	2	2	4	3	3	3	1	2	16	1	1	1	6	28	70	859	11	11		
1	5				14	18	11	12	549	1	1	4	3	3	4	1	1	11	1	1	1	3	6	16	54	603	12	12	
2	4		1		4	26	4	35	262	1	1	1	3	2	2	3	1	16	1	1	1	3	11	48	310	13	13		
	6				7	42	5	18	623	2	1	5	2	2	1	3	14	1	1	1	2	2	27	62	685	14	14		
1	3				30	24	2	98	355	3	1	2	3	3	1	1	1	10	1	2	1	1	10	40	395	15	15		
2	2				8	20	1	52	201	1	1	4	3	1	3	1	1	12	1	1	1	3	21	54	255	16	16		
	8		1		10	6	3	5	153	1	2		3	2	2	1	2	19	1	1	1	3	8	43	196	17	17		
	5				6	30	3	21	567	1	1	4	2	2	2	1	2	12			2	1	6	12	46	613	18	18	
18	1	86	1	49	292	625	121	738	10,896	33	29	62	54	16	42	24	46	349	12	10	26	23	118	547	1,391	12,287	--	--	
1	2	2	1	1	2	4	1	6	114	1	1	1	3	2	1	1	1	4				1	1	1	16	130	1	1	

TABLE 12—

Number.	Name of operator.	Postoffice of mine.	Underground.												
			Bratticemen.	Cagers.	Drivers.	Boat drivers.	Electricians and helpers.	Mechanical loading machine operators.	Mine examiners.	Mine managers and assistants.	Machine miners.	Pick miners.	Motormen and assistants.	Machine helpers.	Machine runners.
SALINE COUNTY—ELEVENTH DISTRICT.															
1	Peabody Coal Co., No. 43.....	Harrisburg.....	5	1	---	---	10	---	6	8	460	---	28	18	18
2	Peabody Coal Co., No. 47.....	Harco.....	7	1	---	---	11	---	8	8	545	---	53	25	25
3	Wasson Coal Co., No. 1.....	Harrisburg.....	4	2	30	3	6	4	4	4	309	---	20	14	14
4	O'Gara Coal Co., No. 1.....	Harrisburg.....	4	3	30	---	3	---	4	5	390	---	18	---	56
5	O'Gara Coal Co., No. 12.....	Harrisburg.....	3	2	9	---	4	---	3	4	300	---	30	---	22
6	O'Gara Coal Co., No. 3.....	Harrisburg.....	3	1	8	---	2	---	3	5	230	20	12	---	---
7	O'Gara Coal Co., No. 10.....	Eldorado.....	4	3	19	---	4	---	3	5	275	---	12	---	26
8	J. K. Dering Coal Co., No. 2.....	Eldorado.....	1	1	---	---	5	---	1	7	80	---	30	10	9
9	Harrisburg Coal Co., No. 8.....	Harrisburg.....	---	---	---	---	---	---	---	---	---	---	---	---	---
10	Harrisburg Coal Co., No. 9.....	Harrisburg.....	1	1	1	---	1	2	1	2	20	---	8	4	4
11	Wasson Coal Co., No. 2.....	Harrisburg.....	3	2	---	---	2	---	1	2	146	---	14	7	7
12	Blue Bird Coal Co., No. 1.....	Harrisburg.....	1	2	4	---	---	6	1	1	10	---	---	---	---
Total.....			36	19	101	3	48	12	34	51	2765	20	225	78	181
WHITE COUNTY—ELEVENTH DISTRICT.															
1	Josh Anderson Coal Co., No. 1.....	Norris City.....	1	1	8	---	1	---	1	1	70	---	1	4	4
WILLIAMSON COUNTY—TWELFTH DISTRICT.															
1	Madison Coal Corp., No. 12.....	Cambria.....	6	2	1	1	10	---	3	2	458	---	32	22	22
2	Cosgrove Meehan Coal Co., No. 1.....	Johnston City.....	2	2	1	1	7	---	3	5	136	---	30	---	23
3	Cosgrove Meehan Coal Co., No. 3.....	Marion.....	3	1	3	1	7	---	3	12	145	---	31	---	27
4	Old Ben Coal Corp., No. 18.....	Johnston City.....	4	2	---	---	10	---	5	8	486	32	43	28	31
5	Cartersville Herrin Coal Co., "Jeff".....	Herrin.....	2	2	19	---	4	---	2	3	170	30	8	11	11
6	Madison Coal Corp., No. 9.....	Colp.....	3	2	1	1	7	---	2	2	247	---	20	13	13
7	Consolidated Coal Co., No. 7.....	Herrin.....	3	3	7	---	2	---	2	4	285	15	20	16	16
8	C. W. & F. Coal Co., "A".....	Herrin.....	1	2	---	---	8	8	3	8	72	---	30	10	10
9	Scottsboro Coal Co.....	Marion.....	---	---	---	---	---	---	---	---	---	---	---	---	---
10	Peabody Coal Co., No. 26.....	Johnston City.....	1	1	12	---	3	---	1	2	40	83	4	1	4
11	St. Louis Coal & Iron Co., No. 2.....	Johnston City.....	1	1	---	1	3	---	2	2	34	---	6	6	6
12	Coal Stripping Co., No. 1.....	Marion.....	---	---	---	---	---	---	---	---	---	---	---	---	---
13	Peabody Coal Co., No. 25.....	Cartersville.....	2	2	24	---	5	98	1	5	---	---	6	8	8
14	Sincerity Coal Co.....	Herrin.....	1	1	6	---	1	---	1	2	54	29	2	3	3
15	Carbon Fuel Co.....	Marion.....	1	1	4	---	---	2	1	1	18	4	1	3	3
16	Freeman Coal & Mining Co.....	Herrin.....	3	2	26	1	1	---	2	4	244	---	8	12	12
17	Henderson Wallace Coal Co.....	Marion.....	1	2	4	---	---	---	1	1	24	---	3	3	3
18	Peabody Coal Co., No. 3.....	Marion.....	1	2	19	---	7	---	1	5	16	190	16	21	21
19	Cosgrove Meehan Coal Co., No. 2.....	Pittsburg.....	1	1	14	---	4	---	1	4	96	---	6	18	---
20	Illinois Hi-Grade Coal Co., Keystone.....	Pittsburg.....	1	1	5	---	2	16	1	3	5	31	2	3	3
21	McLaren Coal Co., No. 1.....	Cartersville.....	1	1	2	---	1	---	1	1	18	---	2	2	---
22	City Lake Coal Co., No. 1.....	Herrin.....	1	1	3	---	---	---	1	1	---	33	---	---	---
23	Tregoning Coal Co.....	Cartersville.....	---	---	1	---	---	---	1	1	---	7	---	---	---
24	Puritan Coal Co., No. 1.....	Johnston City.....	---	---	1	---	---	---	1	1	---	---	1	1	1
25	Ohio Valley Coal Co.....	Marion.....	---	2	2	---	1	16	1	1	---	---	1	2	2
26	Ogmore Coal Co.....	Cambria.....	---	---	1	---	---	---	1	1	---	13	---	---	---
Total.....			32	32	156	6	83	140	41	79	2548	467	268	183	219



TABLE 13—CLASSIFICATION OF

Districts.	Underground.																		
	Brattice-men.	Cagers.	Drivers.	Boos drivers.	Electricians and helpers.	Mechanical loading machine operators.	Mine examiners.	Mine managers and assistants.	Machine miners.	Pick miners.	Motormen and assistants.	Machine helpers.	Machine runners.	Pumpmen and pipemen.	Shot firers.	Shot firers' runners.	Spraggers.	Stablemen.	
First	2	11	65	3	6	1	7	14	431	270	28	32	21	5	1	1	8	4	
Second	12	14	116	5	15	14	20	824	437	33	58	71	18	37	1	1	10	2	
Third	8	59	2	5	7	7	11	535	199	18	28	28	2	17	3	3	4		
Fourth	16	27	227	5	86	149	33	75	1,414	3,980	269	129	165	8	44	6	35	16	
Fifth	22	21	93	3	39	19	16	133	1,574	62	88	87	82	4	15	1	11	4	
Sixth	39	27	74	3	90	144	31	82	2,072	204	292	169	187	4	51	8	22	8	
Seventh	5	26	142	3	47	374	24	49	1,420	100	126	124	146	1	28	2	16	6	
Eighth	12	38	182	1	29	34	33	56	957	984	71	78	82	5	97	1	15	12	
Ninth	13	20	120	6	66	35	21	49	1,448	421	125	105	107	10	22	2	14	9	
Tenth	62	36	96	3	273	139	113	221	5,893	217	902	437	474	18	186	1	49	-	
Eleventh	37	21	116	2	50	13	36	52	2,835	100	229	82	185	16	38	10	32	6	
Twelfth	32	32	156	6	83	140	41	79	2,548	467	268	183	219	48	60	3	25	8	
Total	244	281	1,446	42	789	1,048	376	841	21,951	7,441	2,449	1,512	1,767	139	596	32	240	79	

## MINE EMPLOYEES—BY DISTRICTS.

Underground.					On surface.																
Timbermen.	Trackmen.	Trappers.	All others underground.	Total underground.	Blacksmith.	Blacksmith helpers.	Carpenters.	Hoisting.	Other.	Firemen.	Top foremen.	Machinists and helpers.	Picking table workers.	Superintendents.	Stabblers—top.	Watchmen.	Weighmen.	Office employees at mine.	Others on surface.	Total on surface.	Total—All employees.
20	19	3	76	1,027	9	5	7	19	18	3	10	3	27	4	3	13	7	11	202	341	1,368
31	49	20	201	1,977	15	12	16	2	3	7	2	2	28	6	5	6	12	13	45	148	2,125
10	26	3	14	981	13	6	10	13	1	10	1	1	28	6	2	10	10	11	121	232	1,213
164	198	45	414	7,505	31	12	25	56	13	21	17	10	69	19	12	11	29	65	233	613	8,118
113	104	23	212	2,725	15	13	5	31	6	26	6	9	37	19	1	2	9	23	190	392	3,117
159	208	10	556	4,440	29	10	37	41	2	37	11	9	63	5	7	5	20	17	175	468	4,908
104	112	16	218	3,088	23	7	13	35	28	9	9	47	11	1	11	16	30	119	359	3,447	
41	118	8	124	2,977	34	5	14	59	2	35	13	6	90	17	1	13	27	29	126	470	3,447
36	130	16	82	2,857	28	12	23	28	70	60	15	26	143	36	4	13	14	53	629	1,154	4,011
292	625	121	738	10,896	33	29	62	54	16	42	24	46	349	12	10	26	23	118	547	1,391	12,287
37	149	18	231	4,296	23	11	25	29	15	36	13	12	96	10	7	8	11	30	215	541	4,837
128	190	21	294	5,031	28	12	50	53	20	46	16	23	122	17	8	17	23	52	325	812	5,843
1,135	1,928	304	3,160	47,800	281	118	279	431	177	338	151	156	1,073	162	48	127	201	452	2,927	6,921	54,721

TABLE 14—RELATIVE RANK OF COUNTIES, PRODUCING 500,000 TONS OR MORE, 1929-1925.

No.	County.	1929		1928		1927		1926		1925	
		Rank.	Tons.	Rank.	Tons.	Rank.	Tons.	Rank.	Tons.	Rank.	Tons.
1	Franklin.....	1	14,819,448	1	14,078,932	1	10,360,881	1	15,741,550	1	13,082,672
2	Williamson.....	2	5,274,804	2	5,181,894	2	5,041,593	2	8,198,354	2	8,041,166
3	Macoupin.....	3	5,075,087	3	4,639,228	3	3,306,496	3	6,291,897	3	6,213,109
4	Sangamon.....	4	4,275,675	4	3,739,423	5	3,119,517	4	5,476,167	4	5,471,826
5	Saline.....	5	4,132,043	5	3,671,157	4	3,173,201	5	4,740,946	5	4,238,377
6	Christian.....	6	3,655,022	6	3,604,472	8	2,707,681	6	4,295,495	6	3,823,214
7	Vermilion.....	7	3,053,187	7	3,353,548	7	2,741,682	9	3,147,823	7	3,547,184
8	Perry.....	8	2,940,513	10	2,237,661	10	1,641,691	10	2,327,290	11	2,062,345
9	St. Clair.....	9	2,803,441	8	2,955,266	6	3,083,070	8	3,427,422	9	2,000,369
10	Madison.....	10	2,749,319	9	2,274,787	9	2,261,549	7	3,531,760	8	3,100,494
11	Montgomery.....	11	1,866,886	13	1,411,345	12	1,034,245	11	1,865,294	10	2,156,726
12	Fulton.....	12	1,729,145	11	1,708,405	11	1,633,925	12	1,852,022	12	1,950,740
13	Peoria.....	13	1,636,697	12	1,505,782	14	945,495	14	1,164,312	14	915,356
14	Jackson.....	14	1,576,752	14	904,194	13	1,007,299	13	1,794,831	13	1,497,263
15	Will.....	15	701,280	---	---	---	---	---	---	---	---
16	Randolph.....	16	564,984	15	638,584	16	662,559	15	1,013,687	16	894,629
17	LaSalle.....	17	548,257	---	---	---	---	---	---	---	---
18	Clinton.....	18	542,843	18	508,112	17	583,079	16	800,527	15	905,382
19	Marion.....	19	537,703	17	550,177	15	755,032	17	560,512	---	---
20	Washington.....	20	525,632	19	501,932	---	---	---	---	---	---
21	Tazewell.....	21	509,480	16	577,262	---	---	---	---	17	644,688



TABLE 15—SHIPPING MINES—NUMBER OPERATED, TONS PRODUCED, AVERAGE DAYS WORKED, AND NUMBER EMPLOYED IN 1929 AND 1928, AND THE GAIN OR LOSS, BY COUNTIES.

Number.	County.	1929				1928				Gain (+) Loss (—).			
		Mines operated.	Tons produced.	Average days worked.	Number employed.	Mines operated.	Tons produced.	Average days worked.	Number employed.	Mines.	Tons.	Days.	Men.
1	Bond.....	1	205,688	189	190	1	114,853	80	244	—	+90,835	+109	—54
2	Bureau.....	1	3,019	93	18	—	—	—	—	+1	+3,019	+93	+18
3	Christian.....	7	3,655,022	165	3,241	—	3,604,472	145	3,497	—1	+50,550	+20	—255
4	Clinton.....	3	542,843	147	581	4	508,112	103	952	—1	+34,722	+44	—371
5	Edgar.....	1	3,100	18	17	1	24,345	116	19	—	—21,245	—98	—2
6	Franklin.....	18	14,819,448	194	12,287	19	14,078,923	168	14,259	—1	+740,525	+26	—1,972
7	Fulton.....	8	1,558,217	157	1,031	11	1,532,373	148	1,302	—3	+25,844	+9	—271
8	Gallatin.....	1	9,348	25	130	1	9,181	26	117	—	+167	—1	+13
9	Grundy.....	1	380,353	283	310	1	433,266	276	317	—	—52,913	+7	—7
10	Henry.....	2	48,600	96	139	—	—	—	—	+2	+48,600	+96	+139
11	Jackson.....	3	1,528,044	218	720	2	838,797	230	218	+1	+689,247	—12	+502
12	Knox.....	1	191,821	254	168	1	123,024	232	128	—	+68,977	+22	+40
13	LaSalle.....	4	334,773	211	730	4	206,557	151	736	—	+128,216	+60	—6
14	Logan.....	1	137,234	260	270	1	146,473	161	344	—	+9,239	+99	—74
15	Macon.....	1	130,150	193	276	1	127,208	183	283	—	+2,951	+10	—7
16	Macoupin.....	9	5,069,571	194	3,514	9	4,633,435	175	3,808	—	+436,136	+19	—294
17	Madison.....	13	2,687,808	145	2,818	11	2,203,612	148	2,904	+2	+484,196	—3	—86
18	Marion.....	2	537,703	219	339	2	550,177	229	440	—	—12,474	—10	—1
19	Montgomery.....	3	1,866,886	216	1,286	3	1,411,345	158	1,457	—	+455,541	+58	—171
20	Peoria.....	6	1,294,065	193	1,217	6	1,289,091	212	1,277	—	+4,974	—19	—60
21	Perry.....	11	2,923,936	164	2,038	10	2,224,360	178	1,762	+1	+699,576	—14	+276
22	Randolph.....	5	519,289	77	935	5	596,034	120	992	—	—76,745	—43	—57
23	Saline.....	12	4,120,143	153	4,594	13	3,653,026	155	4,869	—1	+467,117	—2	—275
24	Sangamon.....	13	4,160,197	168	4,877	14	3,644,832	127	6,243	—1	+515,365	+41	—1,366
25	Shelby.....	1	37,906	137	108	1	27,909	116	48	—	+9,997	+21	+60
26	St. Clair.....	29	2,587,572	137	2,866	32	2,754,277	125	3,458	—3	—166,705	+12	—612
27	Tazewell.....	3	422,647	218	411	3	512,109	237	478	—	—89,462	—19	—67
28	Vermilion.....	8	2,758,074	193	2,824	8	3,062,164	202	2,936	—	—304,090	—9	—112
29	Washington.....	2	518,432	223	318	2	494,920	243	314	—	+23,512	—20	—4
30	White.....	1	34,841	78	113	1	57,558	110	137	—	—22,717	—32	—4
31	Will.....	1	701,280	302	171	1	226,368	200	97	—	+474,912	+102	+74
32	Williamson.....	26	5,223,641	148	5,843	28	5,126,741	119	7,277	—2	+96,900	+29	—1,434
33	Woodford.....	2	64,335	131	227	2	68,640	97	241	—	—4,305	+34	—14
Total.....		200	59,075,995	162	54,721	206	54,284,184	150	61,154	—6	+4,791,811	+12	—5,464

TABLE 16—OUTPUT OF ILLINOIS MINES BY COUNTIES IN NORTHERN, CENTRAL AND SOUTHERN SECTIONS, FROM 1882-1929—DIVIDED INTO FIVE PERIODS.

County.	First period— 1882-1892, eleven years.	Second period— 1893-1902, ten years.	Third period— 1903-1912, ten years.	Fourth period— 1913-1922, ten years.	Fifth period— 1923-1929, seven years.	Total.
Northern section.....	49,279,464	71,410,628	95,917,786	83,708,514	43,347,908	343,664,300
Bureau.....	3,943,629	11,940,580	16,413,758	11,706,542	2,109,524	46,114,033
Fulton.....	3,763,340	6,150,374	17,975,802	22,396,678	14,297,164	64,583,358
Grundy.....	6,628,010	11,957,019	11,323,512	3,245,425	2,702,908	35,856,874
Hancock.....	50,924	61,649	86,110	40,186	30,130	268,999
Henry.....	1,479,551	1,212,915	1,417,602	438,920	762,057	5,311,045
Kankakee.....	688,084	974,211	238,691			1,900,986
Knox.....	475,144	555,840	550,279	310,997	710,234	2,602,494
LaSalle.....	11,328,719	15,528,757	16,312,971	10,677,932	4,192,780	58,041,159
Livingston.....	3,478,593	2,583,036	2,251,365	1,067,823	258,243	9,639,060
McDonough.....	1,074,228	592,358	386,847	200,692	128,421	2,382,546
McLean.....	1,379,725	1,776,331	1,461,917	649,534	141,632	5,409,139
Marshall.....	520,934	3,128,438	4,337,283	3,592,891	767,011	12,346,557
Mercer.....	1,719,657	4,623,135	4,314,042	2,975,194	677,681	14,309,709
Peoria.....	4,893,929	6,278,238	9,610,268	12,589,947	9,430,052	42,802,434
Putnam.....			3,183,416	5,661,897	718,898	9,564,211
Rock Island.....	749,600	473,027	646,873	547,649	239,360	2,656,509
Stark.....	188,711	227,550	335,868	162,324	88,891	1,103,344
Tazewell.....	642,389	1,180,680	2,065,352	5,038,367	4,225,896	13,152,684
Warren.....	149,074	136,451	137,107	58,110	56,831	537,573
Will.....	3,711,093	490,026	1,390,295	826,661	1,004,367	7,422,442
Woodford.....	2,414,130	1,540,013	1,478,428	1,520,745	805,828	7,759,144
Central section.....	34,634,935	74,514,182	147,495,648	220,987,439	152,291,100	629,923,304
Cass.....	47,137	87,848	11,352	25,184	24,271	195,792
Christian.....	2,574,437	7,205,979	11,509,987	24,980,760	27,762,242	74,033,405
Edgar.....	54,161	800	21,655		71,947	148,563
Greene.....	132,423	116,044	86,118	66,370	44,138	445,093
Jersey.....	35,883	24,841	14,754	20,993	4,000	100,471
Logan.....	1,443,888	1,811,104	4,087,467	4,079,730	1,606,101	13,028,290
Macon.....	1,557,029	1,914,486	2,270,161	2,352,587	1,205,051	9,299,314
Macoupin.....	12,063,771	18,537,388	36,280,844	59,949,145	41,438,549	168,269,697
Menard.....	1,748,743	3,503,430	3,917,811	1,544,401	588,773	11,303,158
Montgomery.....	449,400	2,660,693	12,254,810	30,119,333	14,526,363	60,010,599
Morgan.....	83,563	21,757	31,831	12,284	4,212	153,647
Moultrie.....			76,055	1,707,337	248,844	2,032,236
Sangamon.....	8,398,813	20,256,558	48,104,907	63,310,212	39,004,806	179,075,296
Schuyler.....	160,196	129,230	135,575	172,443	175,111	772,555
Scott.....	145,963	222,473	137,850	35,660	26,238	568,184
Shelby.....	100,089	705,690	1,336,348	1,244,356	420,310	3,806,793
Vermilion.....	5,639,439	17,315,861	27,218,123	31,366,644	25,140,144	106,680,211
Southern section.....	34,247,554	72,553,130	209,110,407	400,511,025	288,727,397	1,005,149,513
Bond.....	443,653	1,096,901	1,368,573	1,585,917	1,883,252	6,378,296
Clinton.....	990,539	4,135,236	12,324,112	11,981,109	4,920,918	34,351,914
Franklin.....	1,100	326	13,966,993	96,504,643	101,632,903	212,505,965
Gallatin.....	272,203	346,745	728,165	1,307,181	343,008	2,997,302
Jackson.....	4,593,733	8,313,529	7,426,784	8,985,666	10,099,505	39,419,217
Jefferson.....	3,304	270,560	176,827	83,434	693,363	1,227,488
Johnson.....	112,724	24,966	22,323	51,879	22,069	233,961
Madison.....	6,274,190	11,709,210	22,986,318	40,165,189	23,289,291	114,424,198
Marion.....	1,791,971	6,528,242	10,538,560	9,514,325	4,236,532	32,609,630
Perry.....	3,615,252	7,133,820	14,123,638	23,540,434	16,723,832	65,136,976
Randolph.....	1,179,367	2,822,471	7,079,868	12,355,186	7,394,613	30,831,505
St. Clair.....	11,825,667	19,427,686	40,352,379	51,249,956	26,409,047	149,264,735
Saline.....	1,033,616	931,663	18,959,571	44,423,046	32,261,911	97,609,807
Washington.....	420,853	433,637	679,526	6,327,157	2,451,298	10,312,381
White.....			140,343	931,440	67,920	1,139,703
Williamson.....	1,689,382	9,378,138	48,236,427	91,104,463	56,298,025	206,706,435
The State.....	118,161,953	218,477,940	452,523,841	705,206,978	484,366,405	1,978,737,117
Output estimated from U. S. Census reports, 1830-1881.....						82,000,000
Output of counties not listed.....						146,190
Total output, 1830-1929—tons.....						2,060,883,307

TABLE 17—SUMMARY OF OUTPUT BY PERIODS AND SECTIONS—1882-1929  
—SHOWING PERCENT OF TOTAL PRODUCED IN EACH PERIOD.

Period.	Sections.			Total.	Per cent of total mined in each period.
	Northern.	Central.	Southern.		
First—11 years.....	49,279,464	34,634,935	34,247,554	118,161,953	6.0
Second—10 years.....	71,410,628	74,514,182	72,553,130	218,477,940	11.0
Third—10 years.....	95,917,786	147,495,648	209,110,407	452,523,841	22.9
Fourth—10 years.....	83,708,514	220,987,439	400,511,025	705,206,978	35.6
Fifth—7 years.....	43,347,908	152,291,100	288,727,397	484,366,405	24.5
Total.....	343,664,300	629,923,304	1,005,149,513	1,978,737,117	100.0

TABLE 18—PERCENT OF OUTPUT PRODUCED BY EACH SECTION DURING  
EACH PERIOD—1882-1929.

Section.	Periods.					Total.
	First.	Second.	Third.	Fourth.	Fifth.	
Northern.....	41.7	32.7	21.2	11.9	9.0	17.4
Central.....	29.3	34.1	32.6	31.3	31.4	31.8
Southern.....	29.0	33.2	46.2	56.8	59.6	50.8
Total.....	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 19—GRADED OUTPUT OF SHIPPING MINES BY DISTRICTS AND LOCAL MINES FOR THE STATE.

District.	Classification of output of mines in tons.										
	Lump.	Furnace.	Small eggs.	Stove.	Chestnut.	Pea coal.	Carbon.	Screenings.	Mine run.	Waste and loss in preparing.	Total.
First.	138,400	258,169	101,288	44,200	1,747			575,812	340,716	7,693	1,468,025
Second.	206,251	119,006	18,927	9,606				231,485	1,331,488	1,458	1,918,281
Third.	269,360	690,757	102,192	27,935				410,632	199,403	49,759	1,750,038
Fourth.	1,579,402	1,690,824	144,666	129,565	14,350	20,562		2,489,424	1,721,811	24,963	7,815,219
Fifth.	538,692	312,341	119,055	12,530				702,660	1,134,092		2,891,333
Sixth.	3,895,248	565,167	145,539	10,388	31,071	49,102	40,537	1,267,243	938,853	31,216	6,974,363
Seventh.	929,347	459,660	84,992	163,939	41,446		27,850	1,122,503	512,430	59,032	3,431,199
Eighth.	1,025,824	657,452	37,612	73,183				944,216	360,898	30,668	3,130,415
Ninth.	729,522	759,191	255,652	191,640	26,044	16,860	34,835	1,060,746	2,388,894	26,308	5,489,701
Tenth.	1,988,844	2,696,430	1,749,280	636,785	638,959	329,703	1,121,791	4,514,968	949,673	203,006	14,819,448
Eleventh.	621,620	868,876	381,773	234,114	210,761	83,920	194,728	1,818,147	216,986	33,407	4,164,332
Twelfth.	862,038	578,139	425,598	186,808	35,373	41,351	39,067	1,403,118	1,608,348	43,801	5,223,641
Total.	12,784,548	9,656,012	3,566,583	1,720,702	1,020,313	541,498	1,458,808	16,040,954	11,753,652	532,925	59,075,995
Local mines.	683,921	6,839	205,176					20,517	1,135,311		2,031,764
The State.	13,468,469	9,662,851	3,771,759	1,720,702	1,020,313	541,498	1,458,808	16,061,471	12,888,963	532,925	61,127,759

TABLE 20.—DISPOSITION OF OUTPUT OF SHIPPING MINES BY DISTRICTS AND LOCAL MINES FOR THE STATE.

District.	Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to local motives.	Tons sold to local trade.	Tons consumed at the mine.	All coal not sold including waste.	Tons handled by railroads.	Tons disposed of locally.	Per cent of tonnage handled—	
										By railroads.	Locally.
First.....	1,468,025	1,043,560	296,858	-----	107,940	9,184	10,483	1,340,418	127,607	90.1	9.9
Second.....	1,918,281	837,279	873,656	21,774	165,832	13,792	6,788	1,732,709	185,372	90.3	9.7
Third.....	1,750,038	916,068	723,389	-----	39,649	21,188	49,744	1,639,437	110,881	93.6	6.4
Fourth.....	7,815,219	5,469,790	1,820,173	31,133	388,533	67,792	37,808	7,321,096	434,123	93.6	6.4
Fifth.....	2,891,333	1,426,624	1,259,899	1,109	161,291	92,774	39,360	2,687,632	208,701	92.9	7.1
Sixth.....	6,974,363	1,369,638	5,262,334	24,381	101,532	152,711	33,967	6,686,353	288,010	95.8	4.2
Seventh.....	3,431,199	2,065,025	1,040,528	-----	199,534	193,777	33,735	3,105,353	325,646	90.5	9.5
Eighth.....	3,130,415	2,154,672	475,597	62,713	326,138	77,780	33,369	2,662,952	437,433	86.0	14.0
Ninth.....	5,489,701	3,331,632	1,812,913	186,191	571,489	82,130	22,360	5,350,751	138,970	97.1	2.9
Tenth.....	14,819,448	11,409,440	2,764,313	-----	100,006	148,422	396,667	14,173,753	645,695	96.0	4.0
Eleventh.....	4,164,332	3,434,099	573,949	-----	56,469	60,408	34,420	4,007,048	157,284	95.9	4.1
Twelfth.....	5,223,641	2,932,570	2,111,066	-----	35,285	105,338	39,352	5,004,666	178,975	96.7	3.3
Total.....	59,075,995	36,390,357	19,043,710	327,301	1,742,036	862,932	709,629	55,761,398	3,314,597	94.4	5.6
Local mines.....	2,051,764	-----	-----	-----	2,001,635	46,312	3,817	-----	2,051,764	-----	100.0
The State.....	61,127,759	36,390,357	19,043,710	327,301	3,743,671	909,244	713,446	55,761,398	5,366,361	91.2	8.8

TABLE 21—COUNTIES WHICH HAVE PRODUCED THE COMMERCIAL COAL  
AND THE TONNAGE DELIVERED TO EACH RAILROAD.

No.	County and railroads.	Tons shipped.	Tons sold to railroad companies.	Tons supplied to locomotives at the mines.
	The State.....			
1	Franklin.....	11,409,440	2,764,313	
	Chicago, Burlington & Quincy.....	6,330,976	2,109,243	
	Illinois Central.....	2,331,741	30,134	
	Missouri Pacific.....	2,171,945	505,926	
	Chicago & Eastern Illinois.....	574,778	119,010	
2	Saline.....	3,394,711	572,949	
	Cleveland, Cincinnati, Chicago & St. Louis.....	3,001,231	572,949	
	Illinois Central.....	350,019		
	Southern Illinois Railway & Power.....	43,461		
3	Williamson.....	2,932,570	2,111,096	
	Chicago, Burlington & Quincy.....	1,056,125	286,607	
	Missouri Pacific.....	698,617	735,543	
	Illinois Central.....	537,186	980,682	
	Marion & Eastern.....	453,306	64,527	
	Chicago & Eastern Illinois.....	187,336	38,164	
	Nickle Plate.....		5,573	
4	Christian.....	2,748,527	692,872	31,133
	Chicago & Illinois Midland.....	2,273,545	56,845	
	Wabash.....	243,260	488,411	
	Illinois Central.....	185,005	57,456	31,133
	Chicago & Alton.....	29,436		
	Baltimore & Ohio.....	12,204		
	Cleveland, Cincinnati, Chicago & St. Louis.....	3,134		
	Chicago & Eastern Illinois.....	1,943	685	
	Chicago, Rock Island & Pacific.....		89,475	
5	Sangamon.....	2,721,263	1,127,301	
	Baltimore & Ohio.....	832,012	648,385	
	Wabash.....	436,145	334,828	
	Chicago, Springfield & St. Louis.....	416,680	67,540	
	Chicago & Illinois Midland.....	398,050	27,921	
	Illinois Central.....	321,717	48,127	
	Illinois Terminal.....	217,672		
	Baltimore & Ohio.....	98,987	500	
6	Perry.....	1,947,501	765,238	118,234
	Illinois Central.....	1,200,289	188,391	118,234
	Missouri Pacific.....	587,416	477,047	
	Missouri & Illinois.....	159,796	99,800	
7	St. Clair.....	1,736,444	444,422	37,407
	Illinois Central.....	829,759	125,169	34,030
	St. Louis & O'Fallon.....	512,136	33,509	2,105
	Louisville & Nashville.....	183,841	7,865	
	Baltimore & Ohio.....	62,314	168,564	
	St. Louis & Belleville.....	42,873		
	Southern.....	39,154		
	St. Louis & Suburban.....	34,017	20,840	150
	Caseyville.....	32,350	68,475	1,122
8	Madison.....	1,535,253	925,760	
	Litchfield & Madison.....	621,789		
	Pennsylvania Lines.....	404,745	125,996	
	Illinois Terminal.....	355,209	42,489	
	Cleveland, Cincinnati, Chicago & St. Louis.....	144,690	103,372	
	Illinois Central.....	8,820	653,903	

TABLE 21—Continued.

No.	County and railroads.	Tons shipped.	Tons sold to railroad companies.	Tons supplied to locomotives at the mines.
9	Vermilion.....	1,418,139	1,256,799	1,109
	Chicago & Eastern Illinois.....	1,224,327		1,109
	Illinois Terminal.....	73,732	209,893	
	Cleveland, Cincinnati, Chicago & St. Louis.....	58,527	341,642	
	Peoria & Eastern.....	40,649	85,456	
	Wabash.....	20,904	46,751	
	Elgin, Joliet & Eastern.....		573,147	
10	Jackson.....	1,007,676	508,333	
	Illinois Central.....	1,007,676	30,017	
	Chicago Great Western.....		375,789	
	Missouri Pacific.....		48,724	
	Belt Lines.....		24,340	
	Soo Line.....		25,471	
	Frisco Lines.....		2,200	
	Chicago, Springfield & St. Louis.....		1,792	
11	Fulton.....	896,206	572,218	
	Chicago, Burlington & Quincy.....	513,666	572,218	
	Minneapolis & St. Louis.....	338,616		
	Toledo, Peoria & Western.....	43,924		
12	Macoupin.....	719,159	4,139,126	24,381
	Wabash.....	418,738	530,181	
	Illinois Terminal.....	258,489		
	Litchfield & Madison.....	41,932		
	Chicago & Northwestern.....		3,304,872	
	Illinois Central.....		304,073	24,381
13	Montgomery.....	646,799	1,152,599	
	Nickle Plate.....	231,007	295,872	
	Cleveland, Cincinnati, Chicago & St. Louis.....	217,317	601,521	
	New York Central.....	149,126	127,998	
	Chicago & Eastern Illinois.....	49,349	127,208	
14	Peoria.....	622,697	662,579	1,998
	Peoria, Hanna City & Western.....	550,569	564,898	1,998
	Chicago, Burlington & Quincy.....	40,215	23,079	
	Minneapolis & St. Louis.....	24,612	73,702	
	Toledo, Peoria & Western.....	7,301		
15	Will.....	611,325	75,867	
	Chicago & Alton.....	611,325	63,458	
	Atchison, Topeka & Santa Fe.....		12,409	
16	Clinton.....	418,228	31,175	25,306
	Baltimore & Ohio.....	216,553	31,175	25,306
	Louisville & Nashville.....	201,675		
17	Marion.....	390,992	60,798	
	Illinois Central.....	201,465	3,071	
	Chicago, Burlington & Quincy.....	169,340	57,727	
	Baltimore & Ohio.....	20,187		
18	LaSalle.....	238,124	6,680	
	Illinois Central.....	134,274	2,930	
	Peoria, LaSalle & Deer Park.....	65,794		
	Chicago, Rock Island & Pacific.....	38,056	3,750	

TABLE 21—Concluded.

No.	County and railroads.	Tons shipped.	Tons sold to railroad companies.	Tons supplied to locomotives at the mines.
19	Randolph.....	208,386	289,655	.....
	Illinois Central.....	183,434	20,125	.....
	Mobile & Ohio.....	24,952	221,620	.....
	Missouri & Illinois.....	.....	47,910	.....
20	Washington.....	168,059	249,692	67,957
	Illinois Central.....	88,838	249,692	.....
	Chicago, Burlington & Quincy.....	48,375	.....	.....
	Louisville & Nashville.....	30,846	.....	67,957
21	Grundy.....	161,605	213,021	.....
	Atchison, Topeka and Santa Fe.....	161,605	213,021	.....
22	Tazewell.....	155,207	194,538	.....
	Peoria & Pekin Union.....	141,210	194,538	.....
	Cleveland, Cincinnati, Chicago & St. Louis.....	13,997	.....	.....
23	Bond.....	138,780	53,970	.....
	Pennsylvania Lines.....	138,780	53,970	.....
24	Henry.....	32,256	1,290	.....
	Chicago, Rock Island & Pacific.....	28,204	92	.....
	Chicago, Burlington & Quincy.....	4,052	1,198	.....
25	Woodford.....	30,392	283	.....
	Illinois Central.....	22,255	.....	.....
	Atchison, Topeka & Santa Fe.....	8,137	283	.....
26	White.....	30,040	.....	.....
	Baltimore & Ohio.....	30,040	.....	.....
27	Logan.....	28,983	16,256	19,776
	Illinois Central.....	20,867	13,005	19,776
	Chicago & Alton.....	8,116	3,251	.....
28	Knox.....	19,862	151,171	.....
	Atchison, Topeka & Santa Fe.....	19,862	151,171	.....
29	Gallatin.....	9,348	.....	.....
	Louisville & Nashville.....	9,348	.....	.....
30	Macon.....	8,485	.....	.....
	Illinois Central.....	8,485	.....	.....
31	Shelby.....	3,680	609	.....
	Illinois Central.....	3,680	609	.....
32	Bureau.....	250	.....	.....
	Chicago, Milwaukee & St. Paul.....	250	.....	.....
33	Edgar.....	.....	3,100	.....
	Chicago, Milwaukee & St. Paul.....	.....	3,100	.....



TABLE 22—COUNTIES AND TONNAGE HANDLED BY RAILROADS.

No.	County.	Total tons produced.	Tons shipped.	Tons sold to railroad companies.	Tons supplied to locomotives at the mines.	Total tons handled by railroads.	Percent of tonnage handled by railroads.
1	Franklin.....	14,819,448	11,409,440	2,764,313	-----	14,173,753	95.6
2	Williamson.....	5,223,641	2,932,570	2,111,096	-----	5,043,666	96.5
3	Macoupin.....	5,069,571	719,159	4,139,126	24,381	4,882,666	96.3
4	Sangamon.....	4,160,197	2,721,263	1,127,301	-----	3,848,564	92.5
5	Saline.....	4,120,143	3,394,711	572,949	-----	3,966,660	96.3
6	Christian.....	3,655,022	2,748,627	692,872	31,133	3,472,532	95.0
7	Perry.....	2,923,936	1,947,501	765,238	118,234	2,830,973	96.8
8	Vermilion.....	2,758,074	1,418,139	1,256,799	1,109	2,676,047	97.0
9	Madison.....	2,687,808	1,535,253	925,760	-----	2,461,013	91.6
10	St. Clair.....	2,587,572	1,736,444	444,422	37,407	2,228,273	86.1
11	Montgomery.....	1,866,886	646,799	1,152,599	-----	1,799,398	96.4
12	Fulton.....	1,558,217	896,206	572,218	-----	1,468,424	94.2
13	Jackson.....	1,528,044	1,007,676	508,333	-----	1,516,009	99.2
14	Peoria.....	1,294,065	622,697	662,579	1,998	1,287,274	99.5
15	Will.....	701,280	611,325	75,867	-----	687,192	98.0
16	Clinton.....	542,843	418,228	31,175	25,306	474,709	87.4
17	Marion.....	537,703	390,992	60,798	-----	451,790	84.0
18	Randolph.....	519,289	208,386	289,655	-----	498,041	95.9
19	Washington.....	518,432	168,059	249,692	67,957	485,708	93.7
20	Tazewell.....	422,647	155,207	194,538	-----	349,745	82.0
21	Grundy.....	380,353	161,605	213,021	-----	374,626	98.5
22	LaSalle.....	354,773	238,124	6,680	-----	244,804	73.1
23	Bond.....	205,688	138,780	53,970	-----	192,750	93.7
24	Knox.....	191,821	19,862	151,171	-----	171,033	89.2
25	Logan.....	137,234	28,983	16,256	19,776	65,015	47.4
26	Macon.....	130,159	8,485	-----	-----	8,485	6.5
27	Woodford.....	64,355	30,392	283	-----	30,675	47.7
28	Henry.....	48,600	32,256	1,290	-----	33,546	69.0
29	Shelby.....	37,906	3,680	609	-----	4,289	11.3
30	White.....	34,841	30,040	-----	-----	30,040	86.2
31	Gallatin.....	9,348	9,348	-----	-----	9,348	100.0
32	Edgar.....	3,100	-----	3,100	-----	3,100	100.0
33	Bureau.....	3,019	250	-----	-----	250	8.3
	Total.....	59,075,995	36,390,387	19,043,710	327,301	55,761,398	94.4

TABLE 23—RAILROADS HANDLING THE OUTPUT OF SHIPPING MINES AND TONNAGE CONTRIBUTED BY EACH COUNTY.

No.	Railroads and counties.	Tons shipped.	Tons sold to railroad companies.	Tons supplied to locomotives at the mines.
	The State.....	36,390,387	19,043,710	327,301
1	Chicago, Burlington & Quincy.....	8,162,749	3,050,972	-----
	Franklin.....	6,330,976	2,109,243	-----
	Williamson.....	1,056,125	286,607	-----
	Fulton.....	513,666	572,218	-----
	Marion.....	169,340	57,727	-----
	Washington.....	48,375	-----	-----
	Peoria.....	40,215	23,979	-----
	Henry.....	4,052	1,198	-----

TABLE 23—Continued.

No.	Railroads and counties.	Tons shipped.	Tons sold to railroad companies.	Tons supplied to locomotives at the mines.
2	Illinois Central.....	7,435,510	2,707,384	227,554
	Franklin.....	2,331,741	30,134	-----
	Perry.....	1,200,289	188,391	118,234
	Jackson.....	1,007,676	30,017	-----
	St. Clair.....	829,759	125,169	34,030
	Williamson.....	537,186	980,682	-----
	Saline.....	350,019	-----	-----
	Sangamon.....	321,717	48,127	-----
	Marion.....	201,465	3,071	-----
	Christian.....	185,005	57,456	31,133
	Randolph.....	183,434	20,125	-----
	LaSalle.....	134,274	2,930	-----
	Washington.....	88,838	249,692	-----
	Woodford.....	22,255	-----	-----
	Logan.....	20,867	13,005	19,776
	Madison.....	8,820	653,903	-----
	Macon.....	8,485	-----	-----
	Shelby.....	3,680	609	-----
	Macoupin.....	-----	304,073	24,381
3	Missouri Pacific.....	3,457,978	1,767,240	-----
	Franklin.....	2,171,945	505,926	-----
	Williamson.....	698,617	735,543	-----
	Perry.....	587,416	477,047	-----
	Jackson.....	-----	48,724	-----
4	Cleveland, Cincinnati, Chicago & St. Louis.....	3,438,896	1,619,484	-----
	Saline.....	3,001,231	572,949	-----
	Montgomery.....	217,317	601,521	-----
	Madison.....	144,690	109,372	-----
	Vermilion.....	58,527	341,642	-----
	Tazewell.....	13,997	-----	-----
	Christian.....	3,134	-----	-----
5	Chicago & Illinois Midland.....	2,671,595	84,766	-----
	Christian.....	2,273,545	56,845	-----
	Sangamon.....	398,050	27,921	-----
6	Chicago & Eastern Illinois.....	2,037,733	285,067	1,109
	Vermilion.....	1,224,327	-----	1,109
	Franklin.....	574,778	119,010	-----
	Williamson.....	187,336	38,164	-----
	Montgomery.....	49,349	127,208	-----
	Christian.....	1,943	685	-----
7	Chicago & Alton.....	1,480,889	715,094	-----
	Sangamon.....	832,012	648,385	-----
	Will.....	611,325	63,458	-----
	Christian.....	29,436	-----	-----
	Logan.....	8,116	3,251	-----
8	Wabash.....	1,119,047	1,400,171	-----
	Sangamon.....	436,145	334,828	-----
	Macoupin.....	418,738	530,181	-----
	Christian.....	243,260	488,411	-----
	Vermilion.....	20,904	46,751	-----
9	Illinois Terminal.....	905,102	252,292	-----
	Madison.....	355,209	42,489	-----
	Macoupin.....	258,489	-----	-----
	Sangamon.....	217,672	-----	-----
	Vermilion.....	73,732	209,803	-----
10	Litchfield & Madison.....	663,721	-----	-----
	Madison.....	621,789	-----	-----
	Macoupin.....	41,932	-----	-----

TABLE 23—Continued.

No.	Railroads and counties	Tons shipped.	Tons sold to railroad companies.	Tons supplied to locomotives at the mines.
11	Pennsylvania Lines.....	543,525	179,966	-----
	Madison.....	404,745	125,996	-----
	Bond.....	138,780	53,970	-----
12	St. Louis & O'Fallon.....	512,136	53,509	2,105
	St. Clair.....	512,136	53,509	2,105
13	Peoria, Hanna City & Western.....	550,569	564,898	1,998
	Peoria.....	550,569	564,898	1,998
14	Marion & Eastern.....	453,306	64,527	-----
	Williamson.....	453,306	64,527	-----
15	Baltimore & Ohio.....	440,385	200,239	25,306
	Clinton.....	216,653	31,175	-----
	Sangamon.....	98,987	500	25,306
	St. Clair.....	62,314	168,564	-----
	White.....	30,040	-----	-----
	Marion.....	20,187	-----	-----
	Christian.....	12,204	-----	-----
16	Louisville & Nashville.....	425,710	7,865	67,957
	Clinton.....	201,675	-----	-----
	St. Clair.....	183,841	7,865	-----
	Washington.....	30,846	-----	67,957
	Gallatin.....	9,348	-----	-----
17	Chicago, Springfield & St. Louis.....	416,680	69,332	-----
	Sangamon.....	416,680	67,540	-----
	Jackson.....	-----	1,792	-----
18	New York, Chicago & St. Louis.....	380,133	429,443	-----
	Montgomery.....	380,133	423,870	-----
	Williamson.....	-----	5,573	-----
19	Minneapolis & St. Louis.....	363,228	73,702	-----
	Fulton.....	338,616	-----	-----
	Peoria.....	24,612	73,702	-----
20	Atchison, Topeka & Santa Fe.....	189,604	376,884	-----
	Grundy.....	161,605	213,021	-----
	Knox.....	19,862	151,171	-----
	Woodford.....	8,137	283	-----
	Will.....	-----	12,409	-----
21	Missouri & Illinois.....	159,796	147,710	-----
	Perry.....	159,796	99,800	-----
	Randolph.....	-----	47,910	-----
22	Peoria & Pekin Union.....	141,210	194,538	-----
	Tazewell.....	141,210	194,538	-----
23	Chicago, Rock Island & Pacific.....	66,260	93,317	-----
	LaSalle.....	38,056	3,750	-----
	Henry.....	28,204	92	-----
	Christian.....	-----	89,475	-----
24	Peoria, LaSalle & Deer Park.....	65,794	-----	-----
	LaSalle.....	65,794	-----	-----

TABLE 23—Concluded.

No.	Railroads and counties.	Tons shipped.	Tons sold to railroad companies.	Tons supplied to locomotives at the mines.
25	Toledo, Peoria & Western.....	51,225		
	Fulton.....	43,924		
	Peoria.....	7,301		
26	Southern Illinois Rail & Power.....	43,461		
	Saline.....	43,461		
27	St. Louis & Belleville.....	42,873		
	St. Clair.....	42,873		
28	Peoria & Eastern.....	40,649	85,456	
	Vermilion.....	40,649	85,456	
29	Southern.....	39,154		
	St. Clair.....	39,154		
30	East St. Louis & Suburban.....	34,017	20,840	150
	St. Clair.....	34,017	20,840	150
31	Caseyville.....	32,350	68,475	1,122
	St. Clair.....	32,350	68,475	1,122
32	Mobile & Ohio.....	24,952	221,620	
	Randolph.....	24,952	221,620	
33	Chicago, Milwaukee & St. Paul.....	250	3,100	
	Bureau.....	250		
	Edgar.....		3,100	
34	Chicago & Northwestern.....		3,304,872	
	Macoupin.....		3,304,872	
35	Chicago Great Western.....		375,789	
	Jackson.....		375,789	
36	Elgin, Joliet & Eastern.....		573,147	
	Vermilion.....		573,147	
37	Soo Line.....		25,471	
	Jackson.....		25,471	
38	Belt.....		24,340	
	Jackson.....		24,340	
39	Frisco.....		2,200	
	Jackson.....		2,200	

TABLE 24—RAILROADS SERVING THE SHIPPING MINES AND THE TONNAGE  
HANDLED BY EACH.

No.	Railroads.	Tons shipped.	Tons bought.	Tons sup- plied to locomotives at the mines.
	The State.....	36,390,387	19,043,710	327,301
1	Chicago, Burlington & Quincy.....	8,162,749	3,050,972	
2	Illinois Central.....	7,435,510	2,707,384	227,554
3	Missouri Pacific.....	3,457,978	1,767,240	
4	Cleveland, Cincinnati, Chicago & St. Louis.....	3,438,896	1,619,484	
5	Chicago & Illinois Midland.....	2,671,595	84,766	
6	Chicago & Eastern Illinois.....	2,037,733	285,067	1,109
7	Chicago & Alton.....	1,480,889	715,094	
8	Wabash.....	1,119,047	1,400,171	
9	Illinois Terminal.....	905,102	252,292	
10	Litchfield & Madison.....	663,721		
11	Pennsylvania Lines.....	543,525	179,966	
12	St. Louis & O'Fallon.....	512,136	53,509	2,105
13	Peoria, Hanna City & Western.....	550,569	564,898	1,998
14	Marion & Eastern.....	453,306	64,527	
15	Baltimore & Ohio.....	440,385	200,239	25,306
16	Louisville & Nashville.....	425,710	7,865	67,957
17	Chicago, Springfield & St. Louis.....	416,680	69,332	
18	New York, Chicago & St. Louis.....	380,133	429,443	
19	Minneapolis & St. Louis.....	363,228	73,702	
20	Atchison, Topeka & Santa Fe.....	189,604	376,884	
21	Missouri & Illinois.....	159,796	147,710	
22	Peoria & Pekin Union.....	141,210	194,538	
23	Chicago, Rock Island & Pacific.....	66,260	93,317	
24	Peoria, LaSalle & Deer Park.....	65,794		
25	Toledo, Peoria & Western.....	51,225		
26	Southern Illinois Rail & Power.....	43,461		
27	St. Louis & Belleville.....	42,873		
28	Peoria & Eastern.....	40,649	85,456	
29	Southern.....	39,154		
30	East St. Louis & Suburban.....	34,017	20,840	150
31	Caseyville.....	32,350	68,475	1,122
32	Mobile & Ohio.....	24,952	221,620	
33	Chicago, Milwaukee & St. Paul.....	250	3,100	
34	Chicago & Northwestern.....		3,304,872	
35	Chicago Great Western.....		375,789	
36	Elgin, Joliet & Eastern.....		573,147	
37	Soo Line.....		25,471	
38	Belt Line.....		24,340	
39	Frisco.....		2,200	

TABLE 25—METHOD OF MINING—MINES; MACHINES AND TONS—SHIPPING MINES BY DISTRICTS AND LOCAL MINES FOR THE STATE.

District.	Machine exclusively.			Hand exclusively.		Hand and machine.			Strip mines.	
	Mines.	Ma- chines.	Tons.	Mines.	Tons.	Mines.	Ma- chines.	Tons.	Mines.	Tons.
First.....	3	20	513,818	3	103,565	1	2	108,689	2	741,953
Second.....	7	58	1,162,394	4	209,020	1	15	546,867	1	546,867
Third.....	1	14	358,647	1	2,707	5	26	632,925	2	755,759
Fourth.....	4	138	2,648,826	10	2,234,737	6	46	2,931,656	3	271,082
Fifth.....	3	38	782,499	1	10,138	3	62	1,827,614	3	271,082
Sixth.....	11	179	5,946,916	1	37,906	1	11	989,541	1	989,541
Seventh.....	13	139	3,301,482	3	129,717	4	32	917,360	6	2,553,067
Eighth.....	11	74	1,624,963	14	523,712	6	13	558,919	1	422,821
Ninth.....	8	73	1,852,001	3	167,273	4	32	917,360	6	2,553,067
Tenth.....	8	215	7,089,801	1	9,348	10	309	7,729,647	1	128,383
Eleventh.....	11	207	3,731,568	1	9,348	1	44	295,078	1	128,383
Twelfth.....	12	169	2,870,232	3	37,752	9	105	1,938,221	2	377,436
Shipping mines.....	92	1,324	31,883,147	44	3,465,875	47	665	18,476,517	17	5,250,501
Local mines.....	14	28	462,969	540	1,217,281	6	9	271,770	43	99,744
Total.....	106	1,352	32,346,116	584	4,683,156	53	674	18,748,287	60	5,350,200

TABLE 26—UNDERGROUND HAULAGE—SHIPPING MINES BY DISTRICTS.

District.	Motors only.			Mules only.			Motors and mules.				Strip mines.	
	Mines.	Motors.	Tons.	Mines.	Mules.	Tons.	Mines.	Motors.	Mules.	Tons.	Mines.	Tons.
First.....				2	5	10,946	5	11	105	715,126	2	741,953
Second.....							12	27	165	1,918,281		
Third.....	1	5	358,647	3	32	335,568	3	6	39	300,064	2	755,759
Fourth.....	3	61	2,698,694	1	4	14,558	16	78	279	5,101,967		
Fifth.....				2	14	241,770	5	39	108	2,378,481	3	271,082
Sixth.....	3	63	2,456,391	1	3	14,466	9	85	101	4,503,506		
Seventh.....				7	42	420,824	9	92	147	3,010,375		
Eighth.....	1	6	223,708	6	45	133,073	24	51	198	2,350,813	1	422,821
Ninth.....	1	25	632,107	2	9	110,366	12	43	136	2,194,161	6	2,553,067
Tenth.....	13	357	11,798,450				5	61	66	3,020,998		
Eleventh.....	2	46	859,642				11	84	258	3,176,307	1	128,383
Twelfth.....	4	49	970,193	3	5	16,718	17	92	172	3,859,294	2	377,436
Total.....	28	612	19,997,832	27	159	1,298,289	128	669	1,774	32,529,373	17	5,250,501

TABLE 27—EXPLOSIVES USED FOR BLASTING COAL—BY DISTRICTS.

District.	Shipping mines.				Local mines.	
	Black powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissible explosives—pounds.	Black powder—pounds.	Pellet powder—pounds.
First.....	732	30,200	1,950	73,250	6,891	917
Second.....	42,712	2,675	—	—	9,801	—
Third.....	28,499	18,100	865	5,205	10,092	116
Fourth.....	264,250	905,475	117,620	38,425	10,430	—
Fifth.....	20,075	45,200	500	197,984	5,642	575
Sixth.....	30,710	290,100	54,450	405,700	239	—
Seventh.....	25,265	251,945	3,855	82,910	1,068	—
Eighth.....	80,849	362,575	865	61,850	6,927	60
Ninth.....	24,140	222,591	6,170	250,300	4,370	1,500
Tenth.....	—	—	7,375	2,058,287	—	—
Eleventh.....	4,306	122,435	115,650	279,141	1,476	13,265
Twelfth.....	38,421	118,400	116,102	457,625	1,930	—
Total.....	559,959	2,369,696	425,402	3,910,677	58,866	16,433

TABLE 28—MINES USING MECHANICAL LOADERS.

No.	Operator.	Loading machines.				Conveyors.				Loaded by hand.		
		Number used.	Men behind each.	Days operated.	Tons loaded.	Number used.	Men behind each.	Days operated.	Tons loaded.	Number of loaders.	Days worked.	Tons loaded.
1	Aluminum Ore Co.	2	6	276	88,375	14	3	276	191,298			
2	Bell & Zoller Mining Co., No. 1.	14	14	246	600,035	77	2	189	432,540	38	246	415,769
3	Black Star Coal Co.					32	2	150	191,339			
4	Blue Bird Coal Co.					3	2	130	29,432	10	130	14,715
5	Breese-Trenton Mining Co., N	4	19	171	189,298					90	231	164,361
6	Brewerton Coal Co., No. 21.	10	10	231	274,750	18	2	124	23,599	20	102	17,750
7	Brewerton Coal Co., No. 22.	7	11	148	223,632	3	4	245	65,834	2	245	1,221
8	Carbon Fuel Co.	1	2	245	53,565	8	3	119	25,487	200	233	384,126
9	Cartersville-Herrin Coal Co.					2	3	163	9,333			
10	Centennial Coal Co.	6	16	215	395,785					660	214	1,277,259
11	C. W. & F. Coal Co., No. 1.	1	12	148	322,333	95	2	121	335,029	684	80	502,073
12	C. W. & F. Coal Co., No. 2.	33	12	180	1,115,235	36	3	178	91,279	430	40	133,822
13	C. W. & F. Coal Co., A.	4	12	78	56,680	32	2	83	97,240	62	159	245,942
14	Consolidated Coal Co., No. 7.					56	2	146	261,365			
15	Consolidated Coal Co., No. 15.	14	16	204	447,534	70	2	234	373,593	250	234	218,137
16	Cosgrove-Meehan Coal Co., No. 1.					26	2	63	68,689			
17	Cosgrove-Meehan Coal Co., No. 2.					72	2	247	236,192	186	247	276,803
18	Cosgrove-Meehan Coal Co., No. 3.					85	2	111	406,807	287	180	146,196
19	Cosgrove-Meehan Coal Co., No. 5.					23	2	140	215,250			
20	Dering, J. K. Coal Co.	11	3	62	41,718	25	4	166	29,880	25	166	5,744
21	Eldnar Coal Co.					4	3	144	59,928			
22	Ell. Rich Coal Co.					6	2	104	52,067	358	228	744,832
23	Franklin County Coal Co., No. 5.					18	2	77	63,070	318	191	659,826
24	Franklin County Coal Co., No. 7.	5	2	158	98,292	35	2	146	208,652	110	211	140,225
25	Franklin County Mining Co.	3	6	227	38,490	18	4	123	129,653	60	213	131,321
26	Gillespie Coal Co.					24	2	144	60,930	19	51	6,872
27	Golden Rule Coal Co.					7	3	208	129,063			
28	Groom Coal Co.					12	3	183	123,647	3	147	3,150
29	Gundlach Coal Co.					16	3	85	73,394			
30	Harrisburg Coal Co., No. 9.	1	2	85	36,097	8	2	221	75,494	3	221	2,288
31	Henderson-Wallace Coal Co.					4	4	40	6,546	36	108	47,499
32	Illinois Higrade Coal Co.	3	2	36	13,037	5	2	219	464,467	204	219	525,074
33	Indiana & Illinois Coal Co., No. 10.					20	4	166	119,472	210	166	354,216
34	Lumaghi Coal Co.					26	2	132	29,272			
35	McLaren Coal Co.					3	3					





TABLE 29—MINES LOADING ENTIRE OUTPUT MECHANICALLY.

Name of operator.	Post office of mine.	Number of machines used.	Number of men behind machines.	Total employees.	Days operated.	Tons mined.
Aluminum Ore Co.	Belleville	16	54	173	276	279,673
Black Star Coal Co.	Logan	32	64	196	150	191,339
Breese-Trenton Mining Co. N.	Breese	4	76	155	171	189,228
Centralia Coal Co.	Centralia	8	102	208	215	405,118
Consolidated Coal Co., No. 15	Mt. Olive	70	336	387	204	708,899
Cosgrove-Meehan Coal Co., No. 2	Johnston City	26	52	194	63	63,689
Dering, J. K., Coal Co.	Eldorado	36	133	216	199	256,963
Ell-Rich Coal Co.	Belleville	6	24	72	147	59,923
Groom Coal Co.	Belleville	12	36	250	208	129,063
Harrisburg Coal Co., No. 9	Harrisburg	9	18	80	85	110,091
McLaren Coal Co.	Cartersville	5	15	34	132	29,272
Ohio Valley Coal Co.	Marion	8	16	47	15	2,200
Peabody Coal Co. No. 52	Riverton	32	96	262	71	71,376
Perry Coal Co., Supr.	Belleville	8	16	122	262	59,212
St. Louis & O'Fallon Coal Co.	E. St. Louis	50	100	433	184	281,451
St. Louis Coal & Iron Co.	Johnston City	17	34	92	287	175,209
Southern C. C. & M. Co., No. 7	Belleville	10	80	134	173	221,137
Southern C. C. & M. Co., No. 9	Belleville	12	36	227	144	223,708
Superior Coal Co., No. 1	Gillespie	100	200	400	242	736,797
Superior Coal Co., No. 4	Gillespie	125	250	628	248	1,050,000
Union Coal Co.	Dowell	16	208	440	195	632,107
Wilson-George Coal Co.	Sparta	1	3	14	44	1,150
Total		603	1,949	4,764	168	5,882,615

TABLE 30—METHODS OF LOADING IN SHIPPING MINES—BY DISTRICTS.

District.	Loading machines.				Conveyors.				By hand.		
	Mines using.	Number used.	Men employed.	Tons loaded.	Mines using.	Number used.	Men employed.	Tons loaded.	Number of mines.	Number of loaders.	Tons loaded.
First	1	1	7	31,412	1	3	6	19,791	7	631	674,869
Second									12	1,232	1,918,281
Third									7	712	994,279
Fourth	3	28	387	648,022	5	93	285	450,774	18	5,015	6,716,423
Fifth	2	12	134	66,627	1	2	8	6,862	7	1,832	2,546,762
Sixth	1	14	224	447,534	7	442	924	3,146,359	10	1,736	3,380,470
Seventh	1	7	117	328,683	4	190	428	973,185	16	1,553	2,129,331
Eighth	3	16	168	498,740	12	182	434	1,417,264	23	1,168	791,590
Ninth	4	25	338	1,046,620	3	18	39	63,723	12	1,413	1,826,291
Tenth	9	93	1,066	3,088,312	11	624	1,816	3,737,873	17	5,982	7,993,263
Eleventh	3	15	59	136,301	4	39	128	327,958	11	2,759	3,571,690
Twelfth	3	8	56	103,282	13	316	749	1,291,046	20	3,355	3,451,877
Total	30	219	2,556	6,395,533	61	1,909	4,817	11,434,835	160	27,388	35,995,126

TABLE 31—SUMMARY OF METHODS OF LOADING.

Loading methods.	Number of mines.	Number of machines.	Number of men	Average days worked.	Tons loaded.
Total output loaded mechanically.....	22	603	1,949	168	5,882,615
Loading machines.....	8	64	731	173	2,052,575
Conveyors.....	19	539	1,218	158	3,830,040
Part of output loaded mechanically.....	64	1,525	5,424	153	11,947,753
Loading machines.....	22	155	1,825	148	4,342,958
Conveyors.....	42	1,370	3,599	155	7,604,795
Hand loading.....	160	-----	27,388	163	35,995,126
Strip mines.....	17	-----	1,645	168	5,250,501
Total.....	200	2,128	36,406	162	59,075,995

TABLE 32.—PHYSICAL AND MECHANICAL CHARACTERISTICS OF SHIPPING MINES.

No.	Name of operator and mine.	Postoffice of mine.	Tons of coal produced.	Num-ber of seam.	Thick-ness of seam.	Shaft, slope, drift or strip.	Depth of shaft, feet.	Long-wall, pillar and room.	Mining. Haulage. Hoisting.			Open or closed lights.	Is mine rock dusted? Yes or No.
									Hand, machine or both.	Motor, mule or both.	Steam or electric.		
BOND COUNTY.													
1	Pocahontas Mining Co., No. 1.....	Pocahontas.....	205,688	6	7.0	Shaft	386	P. & R.	Machine	Both	Steam	Open	No.
BUREAU COUNTY.													
1	Cherry Coal Co., No. 2.....	Cherry.....	3,019	6	4.5	Shaft	321	P. & R.	Hand	Mule	Steam	Open	No.
CHRISTIAN COUNTY.													
1	Pana Coal Co., No. 1.....	Pana.....	182,837	6	7.5	Shaft	729	P. & R.	Hand	Both	Steam	Open	No.
2	Peabody Coal Co., No. 7.....	Kincaid.....	986,662	6	6.5	Shaft	360	P. & R.	Machine	Motor	Electric	Open	No.
3	Peabody Coal Co., No. 8.....	Tovey.....	1,625,694	6	7.0	Shaft	370	P. & R.	Machine	Motor	Electric	Open	No.
4	Peabody Coal Co., No. 9.....	Langleyville.....	565,094	5	7.8	Shaft	410	P. & R.	Machine	Motor	Electric	Open	No.
5	Peabody Coal Co., No. 58.....	Taylorville.....	686,338	6	7.0	Shaft	446	P. & R.	Both	Both	Steam	Open	No.
6	Peabody Coal Co., No. 58.....	Pana.....	193,839	6	7.3	Shaft	740	P. & R.	Both	Both	Steam	Open	No.
7	H. F. Young Coal Co.....	Edinburg.....	14,558	6	6.6	Shaft	365	P. & R.	Hand	Mule	Steam	Open	No.
CLINTON COUNTY.													
1	Breese-Trenton Coal Co., North.....	Breese.....	189,228	6	7.0	Shaft	420	P. & R.	Machine	Both	Steam	Open	No.
2	Breese-Trenton Coal Co., East.....	Breese.....	129,907	6	7.0	Shaft	415	P. & R.	Machine	Both	Steam	Open	No.
3	Southern C. & M. Co., No. 9.....	New Baden.....	223,708	6	7.0	Shaft	325	P. & R.	Machine	Motor	Steam	Open	No.
EDGAR COUNTY.													
1	Twin States Mining Co.....	Paris.....	3,100	5	4.6	Strip							
FRANKLIN COUNTY.													
1	Bell & Zoller Coal Co., No. 1.....	Zeigler.....	1,448,364	6	12.0	Shaft	454	P. & R.	Both	Motor	Steam	Closed	Yes.
2	Bell & Zoller Coal Co., No. 2.....	Zeigler.....	1,329,483	6	12.0	Shaft	310	P. & R.	Both	Motor	Steam	Closed	Yes.
3	Black Star Coal Co.....	Logan.....	191,339	6	7.6	Shaft	716	P. & R.	Machine	Both	Steam	Open	No.
4	Brewerton Coal Co., No. 21.....	W. Frankfort.....	439,111	6	8.6	Shaft	459	P. & R.	Machine	Motor	Steam	Closed	Yes.
5	Brewerton Coal Co., No. 22.....	Sesser.....	264,981	6	10.0	Shaft	686	P. & R.	Both	Mule	Steam	Closed	Yes.
6	C. W. & F. Coal Co., No. 1.....	Orient.....	1,299,612	6	9.6	Shaft	500	P. & R.	Both	Motor	Steam	Closed	Yes.

7 C., W. & F. Coal Co., No. 2.	W. Frankfort.....	1, 932,327	6	9.2	Shaft	500	P. & R.	Machine	Motor	Electric	Closed No.
8 Franklin County Mining Co.,	Benton.....	337,367	6	7.0	Shaft	630	P. & R.	Both	Both	Steam	Closed No.
9 Franklin County Coal Co., No. 5.	Herrin.....	796,919	6	9.0	Shaft	350	P. & R.	Both	Both	Steam	Open Yes.
10 Franklin County Coal Co., No. 7.	Royalton.....	821,188	6	9.0	Shaft	317	P. & R.	Both	Motor	Steam	Open Yes.
11 Old Ben Coal Corp., No. 8.	W. Frankfort.....	939,633	6	8.8	Shaft	442	P. & R.	Machine	Motor	Electric	Closed Yes.
12 Old Ben Coal Corp., No. 11.	Christopher.....	396,722	6	9.6	Shaft	607	P. & R.	Both	Motor	Electric	Closed Yes.
13 Old Ben Coal Corp., No. 12.	Buckner.....	173,735	6	8.9	Shaft	493	P. & R.	Both	Motor	Electric	Open Yes.
14 Old Ben Coal Corp., No. 14.	Buckner.....	1, 036,366	6	8.9	Shaft	459	P. & R.	Machine	Motor	Electric	Closed Yes.
15 Old Ben Coal Corp., No. 15.	Ezra.....	937,688	6	8.9	Shaft	418	P. & R.	Machine	Motor	Electric	Closed Yes.
16 Peabody Coal Co., No. 18.	W. Frankfort.....	919,639	6	9.0	Shaft	512	P. & R.	Machine	Motor	Steam	Closed Yes.
17 Peabody Coal Co., No. 19.	W. Frankfort.....	673,698	6	9.0	Shaft	500	P. & R.	Machine	Both	Steam	Closed Yes.
18 Valer Coal Co., No. 1.	Valer.....	811,266	6	7.6	Shaft	600	P. & R.	Both	Motor	Electric	Closed Yes.
FULTON COUNTY.											
1 Canton Coal Co.,	Canton.....	338,647	5	4.0	Shaft	180	P. & R.	Machine	Motor	Electric	Open No.
2 Dorthel Coal Co., No. 2.	Farmington.....	274,204	6	4.3	Shaft	96	P. & R.	Both	Both	Electric	Open No.
3 Dorthel Coal Co., No. 3.	Farmington.....	65,904	5	4.0	Shaft	100	P. & R.	Both	Both	Electric	Open No.
4 Illinois Colliery Co.,	Farmington.....	58,657	5	4.1	Shaft	185	P. & R.	Both	Mule	Electric	Open No.
5 Putnam Coal Co.,	Breeds.....	2,707	5	4.5	Drift	40	P. & R.	Hand	Mule	Horse	Open No.
6 Rawalt Coal Co.,	Canton.....	42,339	5	4.7	Shaft	84	P. & R.	Both	Both	Electric	Open No.
7 Truax Traer Coal Co., St. D.	St. David.....	80,280	5	4.5	Strip	•					
8 United Electric Coal Co., No. 9.	Cuba.....	675,479	5	4.9	Strip						
GALLATIN COUNTY.											
1 Saline Gas Coal Co., No. 4.	Equality.....	9,368	5	6.5	Shaft	104	P. & R.	Hand	Both	Steam	Open No.
GRUNDY COUNTY.											
1 Sunlight Coal Co., No. 7.	Verona.....	330,353	7	7.5	Shaft	100	P. & R.	Machine	Both	Electric	Open No.
HENRY COUNTY.											
1 Midland Electric Co., No. 1.	Atkinson.....	40,673	2	2.7	Strip						
2 Shuler Coal Mining Co.,	Alpha.....	7,927	1	4.6	Shaft	265	P. & R.	Hand	Mule	Electric	Open No.
JACKSON COUNTY.											
1 Truax Traer Coal Co., B. S.	Elkville.....	509,138	6	6.6	Strip						
2 Truax Traer Coal Co., Forsythe.	DeSoto.....	386,799	6	7.0	Strip						
3 Union Colliery Co., Kath.	Dowell.....	632,107	6	8.0	Shaft	250	P. & R.	Machine	Motor	Electric	Closed Yes.
KNOX COUNTY.											
1 Galesburg Mining Co.	Galesburg.....	191,821	1	4.6	Shaft	110	P. & R.	Both	Both	Steam	Open No.

TABLE 32—Continued.

No.	Name of operator and mine.	Postoffice of mine.	Tons of coal produced.	Num-ber of seam.	Thick-ness of seam.	Shaft, slope, drift or strip.	Depth of shaft, and feet.	Long-wall, pillar and room.	Mining. Haulage. Hoisting.			Open or closed lights.	Is mine rock dusted? Yes or No.
									Hand, machine or both.	Motor, mule or both.	Steam or electric.		
LA SALLE COUNTY.													
1	Illinois Zinc Co., No. 3	Peru	92,619	2	3.5	Shaft	336	L. W.	Hand	Both	Electric	Closed	No.
2	LaSalle County C. C. Co., No. 1	Jonesville	108,689	2	3.5	Shaft	440	L. W.	Both	Both	Steam	Open	No.
3	LaSalle County C. C. Co., LaS	LaSalle	58,917	2	3.5	Shaft	400	L. W.	Machine	Both	Steam	Open	No.
4	LaSalle County C. C. Co., Union	Peru	74,548	2	3.5	Shaft	400	L. W.	Machine	Both	Electric	Open	No.
WILL COUNTY.													
1	Northern Illinois Colliery Co.	Wilmington	701,280	2	3.2	Strip							
LOGAN COUNTY.													
1	Brewerton Coal Co., No. 42	Lincoln	137,234	5	5.1	Shaft	285	P. & R.	Hand	Both	Steam	Open	No.
MACON COUNTY.													
1	Macon County Coal Co.	Decatur	130,156	5	4.6	Shaft	600	L. W.	Machine	Both	Steam	Open	No.
MACOUFIN COUNTY.													
1	Consolidated Coal Co., No. 7	Staunton	343,182	6	7.0	Shaft	365	P. & R.	Machine	Both	Steam	Open	No.
2	Consolidated Coal Co., No. 15	Mt. Olive	708,899	6	7.6	Shaft	375	P. & R.	Machine	Motor	Steam	Open	No.
3	Gillespie Coal Co.	Gillespie	261,004	7	7.6	Shaft	347	P. & R.	Machine	Both	Electric	Open	No.
4	Madison Coal Corp., No. 5	Mt. Olive	347,156	6	8.0	Shaft	420	P. & R.	Machine	Both	Steam	Open	No.
5	South Mine Coal Co.	Carlinville	14,466	6	6.0	Shaft	250	P. & R.	Machine	Mule	Steam	Open	No.
6	Superior Coal Co., No. 1	Gillespie	736,797	6	7.0	Shaft	338	P. & R.	Machine	Both	Steam	Open	No.
7	Superior Coal Co., No. 2	Gillespie	737,951	6	7.5	Shaft	321	P. & R.	Machine	Both	Steam	Open	No.
8	Superior Coal Co., No. 3	Gillespie	880,118	6	7.7	Shaft	347	P. & R.	Machine	Both	Steam	Open	No.
9	Superior Coal Co., No. 4	Gillespie	1,080,000	6	7.0	Shaft	314	P. & R.	Machine	Both	Steam	Open	No.
MADISON COUNTY.													
1	Bullock Mining Co.	Collinsville	80,274	6	6.6	Shaft	185	P. & R.	Hand	Mule	Electric	Open	No.
2	Bunker Hill Coal Mining Co.	Collinsville	44,875	6	6.0	Shaft	200	P. & R.	Machine	Mule	Steam	Open	No.
3	Carlin Coal Co.	Bethalto	7,950	6	4.0	Shaft	68	P. & R.	Machine	Mule	Steam	Open	No.

		6	6.0	Shaft	105	P. & R.	Hand	Mule	Steam	Open No.
4 Collinsville Coal Corp.		46,053								
5 East Side Coal Corp., No. 1	Collinsville	3,390	5.5	Shaft	135	P. & R.	Hand	Mule	Steam	Open No.
6 Henrietta Coal Co., Hen.	Edwardsville	32,614	6	Shaft	125	P. & R.	Machine	Mule	Steam	Open No.
7 Henrietta Coal Co., H. T.	Edwardsville	4,312	6	Shaft	130	P. & R.	Machine	Both	Electric	Open No.
8 Lamaghi Coal Co., No. 2	Collinsville	473,688	8.0	Shaft	195	P. & R.	Machine	Both	Steam	Open No.
9 Madison Coal Corp., No. 2	Glen Carbon	666,587	7.0	Shaft	96	P. & R.	Machine	Both	Steam	Open No.
10 Mt. Olive & Staunton Coal Co., No. 2	Staunton	643,875	6	Shaft	325	P. & R.	Machine	Both	Steam	Open No.
11 New Staunton Coal Co.	Livingston	260,134	6	Shaft	287	P. & R.	Machine	Motor	Steam	Open No.
12 Peabody Coal Co., No. 17	Edwardsville	345,026	6	Shaft	207	P. & R.	Machine	Motor	Steam	Open No.
13 Troy Mining Co.	Troy	79,030	5.6	Shaft	287	P. & R.	Machine	Both	Steam	Open No.
MARION COUNTY.										
1 Marion County Coal Co.	Centralla	363,900	6.5	Shaft	600	P. & R.	Machine	Both	Steam	Open No.
2 Odin Coal Co.	Odin	173,803	6.5	Shaft	714	P. & R.	Machine	Both	Steam	Open No.
MONTGOMERY COUNTY										
1 Cosgrove Meehan Coal Co., No. 5	Panama	553,003	6.6	Shaft	380	P. & R.	Machine	Both	Steam	Open No.
2 Hillsboro Coal Co.	Hillsboro	324,342	7.6	Shaft	470	P. & R.	Machine	Both	Steam	Open No.
3 Indiana & Illinois Coal Corp., No. 10	Nokomis	989,541	7.6	Shaft	646	P. & R.	Machine	Both	Electric	Open No.
PEORIA COUNTY.										
1 Central West Coal Co., No. 3	Edwards	65,311	4.0	Drift	115	P. & R.	Both	Both	Electric	Open No.
2 Crescent Coal Co., No. 1	Peoria	485,122	5	Slope	130	P. & R.	Machine	Both	Electric	Open No.
3 Crescent Coal Co., No. 5	Peoria	86,863	5	Slope	130	P. & R.	Machine	Both	Electric	Open No.
4 Crescent Coal Co., No. 6	Peoria	546,867	5	Shaft	62	P. & R.	Both	Both	Electric	Open No.
5 Dorthel Coal Co., No. 1	Hanna City	102,451	5	Shaft	240	P. & R.	Machine	Both	Electric	Open No.
6 E. Mapleton Coal Co.	Peoria	7,451	4.5	Slope		P. & R.	Hand	Both		Open No.
PERRY COUNTY.										
1 Bailey Bros. Coal Co.	Duquoin	5,675	5.0	Shaft	70	P. & R.	Machine	Mule	Steam	Open No.
2 Brewerton Coal Co., No. 45	Pineknueville	106,389	6	Shaft	149	P. & R.	Hand	Both	Steam	Open No.
3 Crener Clinch Coal Co.	Duquoin	489,524	6	Shaft	425	P. & R.	Both	Both	Steam	Open No.
4 Delco Mining Co., B. E.	Swanwick	26,549	6	Shaft	285	P. & R.	Both	Both	Electric	Open No.
5 Gayle Coal Co.	Duquoin	374,288	5.6	Strip						
6 Perfection Coal Co.	Duquoin	205,985	6	Strip						
7 Perry Coal Co., Perco.	Culterville	292,071	6	Strip	287	P. & R.	Both	Both	Steam	Open No.
8 Pyramid Coal Corp.	Pineknueville	931,732	6	Strip						
9 Security Coal Co., No. 1	Duquoin	237,382	6	Strip	90	P. & R.	Both	Both	Steam	Open No.
10 United Electric Coal Co., No. 11	Duquoin	145,125	6	Strip						
11 Wilson Coal Co.	Cutler	109,216	6.0	Shaft	120	P. & R.	Mule	Mule	Steam	Open No.

TABLE 32—Continued.

No.	Name of operator and mine	Postoffice of mine.	Tons of coal produced.	Num-ber of seam.	Thick-ness of seam.	Shaft, slope, drift or strip.	Depth of shaft, or feet.	Long-wall, pillar and room.	Mining. Haulage. Hoisting.			Open or closed lights.	Is mine rock dusted? Yes or No.
									Hand, machine or both.	Motor, mule or both.	Steam or electric.		
RANDOLPH COUNTY.													
1	Geo. Wilson Coal Co.	Sparta.	1,150	6	5.6	Shaft	122	P. & R.	Hand	Mule	Electric	Open	No.
2	Jones Bros. Coal Co., No. 2.	Marissa.	59,734	6	6.6	Shaft	180	P. & R.	Hand	Both	Steam	Open	No.
3	Moffat Coal Co.	Sparta.	251,096	6	6.0	Shaft	140	P. & R.	Machine	Both	Steam	Open	No.
4	Sparta Coal Co.	Sparta.	48,860	6	6.3	Shaft	65	P. & R.	Machine	Both	Steam	Open	No.
5	St. Louis Coal Co.	Coulterville.	158,449	6	5.0	Shaft	200	P. & R.	Machine	Both	Steam	Open	No.
SALINE COUNTY.													
1	Blue Bird Coal Co.	Harrisburg.	44,147	5	5.0	Slope	45	P. & R.	Machine	Both	Electric	Open	No.
2	Harrisburg Coal Mining Co., No. 8.	Harrisburg.	128,383	5	5.6	Strip	50	P. & R.	Machine	Both	Steam	Open	No.
3	Harrisburg Coal Mining Co., No. 9.	Harrisburg.	110,091	5	6.0	Slope	465	P. & R.	Machine	Motor	Steam	Closed	No.
4	J. K. Dering Coal Co.	Eldorado.	256,968	5	5.0	Shaft	311	P. & R.	Machine	Both	Steam	Open	No.
5	O'Gara Coal Co., No. 1.	Harrisburg.	517,636	5	5.0	Shaft	245	P. & R.	Both	Both	Steam	Open	No.
6	O'Gara Coal Co., No. 3.	Harrisburg.	295,033	5	5.0	Shaft	406	P. & R.	Machine	Both	Steam	Open	No.
7	O'Gara Coal Co., No. 10.	Harrisburg.	280,789	5	5.0	Shaft	413	P. & R.	Machine	Both	Steam	Open	No.
8	O'Gara Coal Co., No. 12.	Harrisburg.	493,433	5	5.0	Shaft	267	P. & R.	Machine	Motor	Steam	Closed	Yes.
9	Peabody Coal Co., No. 43.	Harrisburg.	763,777	5	5.7	Shaft	300	P. & R.	Machine	Motor	Steam	Closed	Yes.
10	Peabody Coal Co., No. 47.	Harrisburg.	602,674	5	5.8	Shaft	320	P. & R.	Machine	Both	Steam	Open	Yes.
11	Wasson Coal Co., No. 1.	Harrisburg.	536,664	5	5.6	Shaft	320	P. & R.	Machine	Both	Steam	Open	Yes.
12	Wasson Coal Co., No. 2.	Harrisburg.	100,548	5	4.8	Slope	50	P. & R.	Machine	Motor	Electric	Open	Yes.
SANGAMON COUNTY.													
1	Brewerton Coal Co., No. 81.	Springfield.	94,902	5	5.9	Shaft	260	P. & R.	Hand	Both	Electric	Open	No.
2	Central Illinois Coal Co.	Springfield.	324,152	5	5.9	Shaft	185	P. & R.	Hand	Both	Electric	Open	No.
3	Mine B Coal Co.	Springfield.	475,669	5	6.0	Shaft	207	P. & R.	Hand	Both	Electric	Open	No.
4	Panther Creek Mines, Inc., No. 1.	Auburn.	774,997	6	7.0	Shaft	270	P. & R.	Both	Motor	Steam	Open	No.
5	Panther Creek Mines, Inc., No. 3.	Springfield.	123,206	5	6.0	Shaft	175	P. & R.	Hand	Both	Steam	Open	No.
6	Panther Creek Mines, Inc., No. 4.	Springfield.	210,092	5	5.8	Shaft	156	P. & R.	Hand	Both	Steam	Open	No.
7	Panther Creek Mines, Inc., No. 5.	Springfield.	59,444	5	5.8	Shaft	250	P. & R.	Hand	Both	Steam	Open	No.
8	Peabody Coal Co., No. 51.	Springfield.	422,583	5	5.8	Shaft	225	P. & R.	Both	Both	Steam	Open	No.
9	Peabody Coal Co., No. 52.	Riverton.	71,376	5	6.0	Shaft	235	P. & R.	Machine	Both	Steam	Open	No.
10	Peabody Coal Co., No. 53.	Springfield.	293,185	6	5.9	Shaft	250	P. & R.	Both	Both	Electric	Open	No.



11)Peabody Coal Co., No. 55	Springfield	614, 714	5	5.6	Shaft	250	P. & R.	Both	Both	Steam	Open No.
12)Peabody Coal Co., No. 57	Springfield	560, 168	5	6.0	Shaft	220	P. & R.	Both	Both	Steam	Open No.
13)Sangamon Coal Co., No. 2	Springfield	189, 700	5	6.0	Shaft	265	P. & R.	Both	Both	Steam	Open No.
SHELBY COUNTY.											
1)Moweaqua Mining Co.	Moweaqua	37, 906	5	5.2	Shaft	620	P. & R.	Hand	Both	Steam	Open No.
ST. CLAIR COUNTY.											
1)Aluminum Ore Co.	Belleville	279, 673	6	6.0	Shaft	50	P. & R.	Machine	Both	Steam	Open No.
2)Eldnar Coal Co.	Belleville	35, 624	6	7.0	Shaft	110	P. & R.	Hand	Both	Steam	Open No.
3)Ell, Rich Mining Co.	Belleville	55, 928	6	6.6	Slope	100	P. & R.	Hand	Both	Steam	Open No.
4)Fullerton Coal Co.	Belleville	13, 014	6	6.6	Slope	165	P. & R.	Hand	Mule	Steam	Open No.
5)Golden Rule Coal Co.	Lenzburg	67, 802	6	6.8	Shaft	60	P. & R.	Hand	Both	Steam	Open No.
6)Groom Coal Co.	Belleville	129, 083	6	7.0	Shaft	100	P. & R.	Machine	Both	Steam	Open No.
7)Guest Coal Co.	Belleville	46, 440	6	6.6	Shaft	200	P. & R.	Machine	Both	Steam	Open No.
8)Gundlach Coal Co.	East St. Louis	126, 597	6	6.0	Drift	---	P. & R.	Both	Both	Electric	Open No.
9)Hippard Coal Co.	Belleville	10, 852	6	6.6	Shaft	60	P. & R.	Machine	Mule	Steam	Open No.
10)Jones Bros. Coal Co., No. 1	Marissa	16, 437	6	6.6	Shaft	120	P. & R.	Hand	Mule	Steam	Open No.
11)Kolb Coal Co., No. 1	Macouh.	29, 963	6	7.2	Shaft	167	P. & R.	Hand	Both	Steam	Open No.
12)Kolb Coal Co., No. 2	Macouh.	4, 612	6	7.0	Shaft	167	P. & R.	Hand	Both	Steam	Open No.
13)Lou Nash Coal Co., No. 2	Belleville	10, 596	6	7.0	Shaft	114	P. & R.	Hand	Mule	Steam	Open No.
14)Lyle Coal Co.	Marissa	33, 965	6	7.0	Shaft	100	P. & R.	Hand	Both	Steam	Open No.
15)Mulberry Hill Coal Co.	Frederburg	53, 625	6	7.6	Shaft	150	P. & R.	Hand	Both	Steam	Open No.
16)New National Coal Co.	Belleville	54, 236	6	5.9	Shaft	70	P. & R.	Hand	Both	Steam	Open No.
17)Perry Coal Co., Carbon	O'Fallon	59, 028	6	7.6	Shaft	187	P. & R.	Machine	Both	Steam	Open No.
18)Perry Coal Co., Superior	O'Fallon	59, 212	6	7.6	Shaft	160	P. & R.	Machine	Both	Steam	Open No.
19)Perry Coal Co., St. Ellen	O'Fallon	83, 117	6	7.0	Shaft	203	P. & R.	Both	Motor	Steam	Open No.
20)Perry Coal Co., Taylor	O'Fallon	212, 901	6	7.6	Shaft	206	P. & R.	Both	Both	Steam	Open No.
21)Quality Coal Co.	Belleville	43, 451	6	7.0	Shaft	106	P. & R.	Both	Both	Electric	Open No.
22)Reichert Coal Co.	Frederburg	54, 093	6	6.0	Shaft	140	P. & R.	Hand	Both	Steam	Open No.
23)Service Coal Co.	Belleville	178, 510	6	6.0	Shaft	118	P. & R.	Hand	Both	Steam	Open No.
24)Southern C. C. & M. Co., No. 7	Belleville	221, 137	1	6.0	Shaft	128	P. & R.	Machine	Both	Steam	Open No.
25)Southern C. C. & M. Co., No. 6	Belleville	56, 186	6	6.6	Shaft	150	P. & R.	Hand	Both	Electric	Open No.
26)St. Louis & O'Fallon Coal Co., No. 2	E. St. Louis	281, 457	6	6.0	Shaft	200	P. & R.	Machine	Both	Steam	Open No.
27)Summit Coal Co.	Frederburg	40, 907	6	7.0	Shaft	185	P. & R.	Hand	Mule	Steam	Open No.
28)United Electric Coal Co., No. 13	Belleville	422, 821	6	6.6	Strip	---	P. & R.	Hand	---	---	---
29)Vinegar Hill Coal Co.	Lenzburg	21, 715	6	6.0	Shaft	90	P. & R.	Hand	Both	Steam	Open No.
TAYLOR COUNTY.											
1)Crescent Coal No. 2	Peoria	199, 179	5	4.3	Shaft	180	P. & R.	Machine	Both	Electric	Open No.
2)Lake Erie Mining Co.	Peoria	181, 671	5	4.2	Slope	130	P. & R.	Machine	Both	Electric	Open No.
3)Ubben Coal Co.	Pekin	41, 797	5	4.5	Shaft	90	P. & R.	Machine	Both	Electric	Open No.

TABLE 32—Concluded.

No.	Name of operator and mine.	Postoffice of mine.	Tons of coal produced.	Number of seam.	Thickness of seam.	Shaft, slope, drift or strip.	Depth of shaft, feet.	Long-wall, pillar and room.	Mining.	Haulage.	Hoisting.	Open or closed lights.	Is mine rock dusted? Yes or No.
	VERMILION COUNTY.												
1	McComb Coal Co.	Danville.	10,138	7	6.6	Slope	110	P. & R.	Hand Machine	Both	Electric	Open No.	
2	Peabody Coal Co., No. 24	Danville.	479,692	6	6.0	Shaft	214	P. & R.	Machine	Both	Steam	Open No.	
3	United Electric Coal Co., No. 1	Danville.	209,986	7	5.9	Strip							
4	United Electric Coal Co., No. 12	Danville.	57,996	7	5.9	Strip							
5	United Electric Coal Co., No. 14	Danville.	172,648	7	5.6	Drift			Machine	Mule	Electric	Open No.	
6	U. S. Fuel Co., Run.	Georgetown.	1,003,277	6	6.3	Shaft	213	P. & R.	Both	Both	Steam	Open No.	
7	U. S. Fuel Co., Verm.	Georgetown.	755,215	6	6.3	Shaft	180	P. & R.	Both	Both	Steam	Open No.	
8	Taylor English Coal Co., No. 2	Cadlin.	69,122	7	5.6	Shaft	165	P. & R.	Both	Mule	Steam	Open No.	
	WASHINGTON COUNTY.												
1	Centralia Coal Co., No. 5	Centralia.	405,118	6	6.5	Shaft	536	P. & R.	Machine	Motor	Steam	Open No.	
2	Clarkson Coal Co.	Nashville.	113,314	6	5.8	Shaft	415	P. & R.	Machine	Both	Steam	Open No.	
	WHITE COUNTY.												
1	Josh Anderson Coal Co., No. 1	Norris City.	34,841	7	5.0	Shaft	646	P. & R.	Machine	Both	Steam	Open No.	
	WILLIAMSON COUNTY.												
1	Carbon Fuel Co.	Marion.	100,620	6	6.0	Slope	320	P. & R.	Both	Both	Electric	Open No.	
2	Cartersville-Herrin Coal Co.	Herrin.	109,613	6	8.0	Shaft	160	P. & R.	Both	Both	Steam	Open No.	
3	City Lake Coal Co.	Herrin.	11,467	6	7.0	Slope	60	P. & R.	Hand	Mule	Electric	Open No.	
4	Coal Stripping Co.	Herrin.	334,957	6	7.0	Strip							
5	Consolidated Coal Co. of St. Louis, No. 7	Herrin.	313,354	6	8.6	Shaft	150	P. & R.	Both	Both	Steam	Open No.	
6	Cosgrove-Meehan Coal Co., No. 1	Johnston City.	391,660	6	8.9	Shaft	225	P. & R.	Machine	Both	Steam	Closed Yes.	
7	Cosgrove-Meehan Coal Co., No. 2	Pittsburg.	68,689	6	6.0	Shaft	250	P. & R.	Both	Both	Steam	Open No.	
8	Cosgrove-Meehan Coal Co., No. 3	Marion.	532,995	6	6.0	Shaft	225	P. & R.	Both	Motor	Steam	Closed Yes.	
9	C. W. & F. Coal Co., A.	Herrin.	281,781	6	9.6	Shaft	180	P. & R.	Machine	Motor	Steam	Open Yes.	
10	Freeman Coal Co.	Herrin.	99,355	6	9.0	Shaft	250	P. & R.	Machine	Both	Electric	Open No.	
11	Henderson-Wallace Coal Co.	Herrin.	77,712	6	6.0	Shaft	342	P. & R.	Machine	Both	Electric	Open No.	
12	Illinois Higrade Coal Co.	Pittsburg.	67,182	6	6.0	Shaft	250	P. & R.	Machine	Both	Steam	Open No.	
13	Madison Coal Corp., No. 9	Colp.	381,418	6	7.6	Shaft	104	P. & R.	Machine	Motor	Steam	Open Yes.	
14	Madison Coal Corp., No. 12	Cambria.	624,944	6	7.6	Shaft	104	P. & R.	Machine	Motor	Steam	Open Yes.	
15	McLaren Coal Co., No. 1	Cartersville.	29,272	6	9.0	Slope	40	P. & R.	Machine	Both	Electric	Open No.	

TABLE 33—FATAL ACCIDENTS.

Name of person killed.	Age.	Occupation.	Residence.	Date of death.	Cause of death.	By whom employed.	Open No.	Closed No.
16 Ormore Coal Co.-----			Cambria-----				Open No.	Closed No.
17 Ohio Valley Coal Co.-----			Williamson-----				Open No.	Closed No.
18 Old Ben Coal Corp., No. 18.			Johnston City-----				Open No.	Closed No.
19 Peabody Coal Co., No. 3.			Marion-----				Open No.	Closed No.
20 Peabody Coal Co., No. 25.			Cartersville-----				Open No.	Closed No.
21 Peabody Coal Co., No. 26.			Johnston City-----				Open No.	Closed No.
22 Puritan Coal Co.-----			Johnston City-----				Open No.	Closed No.
23 Scottsboro Coal Co.-----			Marion-----				Open No.	Closed No.
24 Sincere Coal Corp.-----			Herrin-----				Open No.	Closed No.
25 St. Louis Coal & Iron Co.-----			Johnston City-----				Open No.	Closed No.
26 Tregoning Coal Co.-----			Cartersville-----				Open No.	Closed No.
WOODFORD COUNTY								
1 Roanoke Coal & Tile Co.-----			Roanoke-----				Open No.	Closed No.
2 W. G. Sutton Coal Co.-----			Minok-----				Open No.	Closed No.
Albers, B. H.-----	28	Laborer	Germantown-----	Aug. 1	Machinery	Breese Trenton Coal Co., "N."		
Armstrong, John D.-----	38	Laborer	Peoria-----	Feb. 25	Fell down shaft.	Crescent Coal Co., No. 2.		
Auten, Mault.-----	36	Laborer	Benton-----	Dec. 1	Machinery	Old Ben Coal Corp., No. 14.		
Baker, Dewey-----	31	Motorman	West Frankfort-----	Dec. 1	Gas explosion.	Old Ben Coal Corp., No. 8.		
Baker, Jewel-----	29	Triprider	West Frankfort-----	Dec. 1	Gas explosion.	Old Ben Coal Corp., No. 8.		
Balco, Tony-----	28	Wireman	Orient-----	Aug. 23	Motor	C. W. & F. Coal Co., No. 1.		
Barber, Arthur-----	35	Driver	Collinsville-----	May 2	Pit cars	Madison Coal Corp., No. 2.		
Bath, George-----	69	Loader	Cartersville-----	Apr. 2	Fall of slate.	Peabody Coal Co., No. 25.		
Beegs, C. L.-----	22	Shovelman	Marissa-----	June 6	Electrocuted	United Electric Coal Co., No. 13.		
Began, James-----	58	Timberman	Gillespie-----	Sept. 15	Fall of slate.	Superior Coal Co., No. 3.		
Bell, William-----	39	Machine man	Belleville-----	Oct. 11	Fall of person	Southern Coal, Coke & Mining Co., No. 7.		
Berlacci, Attilio-----	34	Motorman	Taylorville-----	Oct. 11	Fall of coal	Peabody Coal Co., No. 9.		
Berdon, E.-----	35	Miner	West Frankfort-----	Dec. 1	Gas explosion.	Old Ben Coal Corp., No. 8.		
Berkley, Ben-----	56	Miner	Eldorado-----	Feb. 27	Pit car	O'Garra Coal Co., No. 10.		
Bertello, Dominic-----	32	Loader	Collinsville-----	Dec. 1	Fall of coal	Lumachi Coal Co., No. 2.		
Boadi, Anton-----	48	Machine man	Zeigler-----	Oct. 1	Fall of rock	Bell & Zoller Coal Co., No. 1.		
Bogio, John-----	38	Machine man	West Frankfort-----	Sept. 28	Fall of coal	Old Ben Coal Co., No. 15.		
Bondoli, Peter-----	46	Loader	West Frankfort-----	Nov. 2	Fall of coal	Old Ben Coal Co., No. 8.		
Bore, Harry-----	32	Triprider	Nokomis-----	Oct. 29	Motor	Indiana & Illinois Coal Co., No. 10.		
Bowen, Evan-----	62	Miner	O'Fallon-----	Feb. 18	Fall of coal	Summit Coal Co.		

TABLE 33--Concluded.

Name of person killed.	Age.	Occupation.	Residence.	Date of death.	Cause of death.	By whom employed.
Brockmeier, Wm.....	55	Miner.....	Dowell.....	Oct. 23	Fall of rock.....	Peabody Coal Co., No. 24.
Bryson, Levi.....	64	Miner.....	Pana.....	Mar. 4	Fall of coal.....	Peabody Coal Co.
Bubb, Jacob.....	60	Laborer.....	Stamilton.....	Sept. 4	Fall of slate.....	Consolidated Coal Co., No. 7.
Camus, Joseph.....	40	Miner.....	Zeigler.....	Jan. 23	Fall of coal.....	Bell & Zoller Coal Co., No. 1.
Cassey, L. P.....	58	Miner.....	Herrin.....	Oct. 14	Fall of coal.....	Franklin County Coal Co., No. 5.
Casper, Louis.....	38	Triprider.....	Pleasant Ridge.....	Sept. 21	Pit cars.....	Lumagli Coal Co., No. 2.
Cavello, August.....	37	Machine man.....	Zeigler.....	Nov. 9	Fall of coal.....	Bell & Zoller Coal Co., No. 1.
Cawthorn, Wm.....	63	Miner.....	Eldorado.....	Feb. 13	Mining machine.....	J. K. Dering Coal Co.
Chapal, Morris.....	40	Miner.....	Harrisburg.....	Sept. 24	Fall of coal.....	O'Gara Coal Co., No. 1.
Chaslar, Louis.....	30	Trippleman.....	Coal City.....	Apr. 5	Electrocuted.....	Northern Illinois Coal Corp.
Cinotto, Morris.....	45	Miner.....	Buckner.....	June 8	Fall of coal.....	Old Ben Coal Corp., No. 14.
Clinton, P. T.....	28	Miner.....	Kincaid.....	Jan. 26	Motor.....	Peabody Coal Co., No. 7.
Cortijo, Joe.....	46	Wireman.....	Dowell.....	Aug. 2	Pit cars.....	Union Colliery Co.
Curtis, John.....	40	Machine man.....	St. Olive.....	Aug. 9	Fall of slate.....	Madison Coal Corp., No. 5.
Day, A. C.....	37	Laborer.....	Pineknayville.....	Sept. 9	Electrocuted.....	Pyramid Coal Corp.
Dejers, John.....	31	Laborer.....	Elmhurst.....	Mar. 23	Railroad cars.....	Indiana & Illinois Coal Corp., No. 10.
Dierker, Wm.....	30	Miner.....	Eldorado.....	Jan. 6	Pit cars.....	J. K. Dering Coal Co.
Dierker, Wm.....	34	Shoofr.....	Springfield.....	May 23	Dust explosion.....	Peabody Coal Co., No. 55.
Dubois, Phillip.....	37	Miner.....	Galesburg.....	Feb. 26	Fall of coal.....	Galesburg Mining Co.
Duthie, Cyril.....	31	Miner.....	Peoria.....	Mar. 1	Fall of slate.....	Crescent Coal Co., No. 6.
Estrop, T. W.....	34	Leader.....	Dawson.....	Oct. 16	Fall of coal.....	Peabody Coal Co., No. 57.
Evvy, Lawrence.....	38	Miner.....	Chatham.....	Sept. 18	Fall of coal.....	Panther Creek Coal Co., No. 1.
Finn, Roy.....	30	Driver.....	Harrisburg.....	Dec. 13	Pit cars.....	O'Gara Coal Co., No. 1.
Folapet, Pete.....	38	Laborer.....	Zeigler.....	Feb. 26	Blood poison.....	Bell & Zoller Coal Co., No. 1.
Fryman, Earl.....	25	Machine man.....	Taylorville.....	Aug. 22	Fall of coal.....	Peabody Coal Co., No. 9.
Fulena, Stanley.....	37	Driver.....	Spring Valley.....	Nov. 8	Fall of rock.....	LaSalle County Carbon Coal Co., No. 1.
Gardini, Veto.....	32	Laborer.....	West Frankfort.....	Dec. 1	Gas explosion.....	Old Ben Coal Corp., No. 8.
Garnier, Robt.....	37	Laborer.....	Ava.....	Feb. 8	Shot explosion.....	Willard Morgan Coal Co.
Giles, Arthur H.....	11	Laborer.....	Benton.....	July 29	Fall of person.....	C. W. & F. Coal Co., No. 2.
Gilow, Fred.....	31	Machine man.....	LaSalle.....	June 22	Fall of rock.....	M. & H. Zinc Co.
Gopkus, Andre.....	51	Miner.....	Westville.....	Nov. 28	Fall of rock.....	U. S. Fuel Co., Bunsonville.
Harwood, Leland.....	28	Foreman.....	Dowell.....	Oct. 19	Fall of slate.....	Union Colliery Co.
Henne, Orval.....	21	Triprider.....	Eldorado.....	Apr. 9	Electrocuted.....	O'Gara Coal Co., No. 12.
Hill, Joseph.....	21	Laborer.....	Duquoin.....	Apr. 9	Electrocuted.....	Gayle Coal Co.
Hodgson, U. G.....	58	Miner.....	Dorrisville.....	July 30	Fall of coal.....	Wasson Coal Co., No. 1.
Holland, Clarence.....	45	Loader.....	West Frankfort.....	Oct. 16	Fall of rock.....	Peabody Coal Co., No. 18.
Jewell, Charles.....	58	Shoofr.....	Christopher.....	Dec. 14	Fall of rock.....	Old Ben Coal Co., No. 11.
Isaacs, Henry.....	25	Timberman.....	Tovey.....	Nov. 5	Fall of slate.....	Peabody Coal Co., No. 8.
Kelley, Bert.....	32	Triprider.....	West Frankfort.....	Dec. 1	Gas explosion.....	Old Ben Coal Corp., No. 8.
Langford, Lacy.....	31	Miner.....	Bartonville.....	Mar. 21	Fall of slate.....	George Petrie Coal Co.
Logan, John G.....	27	Miner.....	Harrisburg.....	Jan. 10	Fall of roof.....	Harrisburg Coal Co., No. 9.
			West Frankfort.....	Jan. 18	Pit car.....	C. W. & F. Coal Co., No. 1.

Logsdon, Ed	25	Driver	Litchfield.	Jan.	16	Pit car	Pocahontas Mining Co.
Lolovich, Wm	40	Machine man	Zeigler	May	25	Fall of rock	Bell & Zoller Coal Co., No. 1.
Maier, Joseph	38	Triprider	Springfield	Dec.	6	Motor	Panther Creek Mines, Inc., No. 3.
Marlin, Emisetti	54	Miner	Murphysboro	Jan.	21	Pit car	Madison Coal Corp., No. 12.
McAllister, Edw	67	Laborer	West Frankfort	Aug.	30	Fall of shale	Old Ben Coal Corp., No. 8.
McDermott, Thos	60	Examiner	West Frankfort	Dec.	1	Gas explosion	Old Ben Coal Corp., No. 8.
McNeill, David	37	Machine man	Sesser	Sept.	6	Fall of coal	Brewerton Coal Co., No. 22.
Moore, W. H.	55	Miner	Rushville	Jan.	28	Fall of rock	M. & C. Coal Co., No. 18.
Morrison, Grant	67	Triprider	West Frankfort	June	24	Fall of coal	Peabody Coal Co., No. 18.
Moschino, Edigo	19	Brattman	Coello	June	8	Caught between cage and bottom	Valley Coal Co.
Mulkey, Wm	37	Triprider	Royalton	July	16	Pit cars	Franklin County Coal Co., No. 7.
Otwrak, Tony	26	Triprider	Sesser	Oct.	5	Motor and car	Brewerton Coal Co., No. 22.
Parech, John	41	Loader	Johnston City	Apr.	20	Fall of roof	St. Louis Coal & Iron Co., No. 2.
Ponzi, Peter	66	Loader	West Frankfort	Dec.	2	Unknown	Old Ben Coal Corp., No. 8.
Pruden, Richard	28	Face boss	Zeigler	June	30	Fall of rock	Bell & Zoller Coal Co., No. 1.
Quigley, Roy M	43	Machine man	Dowell	July	22	Fall of slate	Union Colliery Co.
Raines, Lawrence	30	Miner	Ava	Feb.	6	Shot explosion	Willard Morgan
Ramanoli, Louis	50	Miner	Hillsboro	Nov.	1	Falling coal	Hillsboro Coal Co.
Rauback, Frank	21	Machine man	West Frankfort	June	21	Fall of coal	Old Ben Coal Corp., No. 15.
Ridgway, Wm	37	Driver	Coulterville	Apr.	2	Pit car	Perry Coal Co., "Perry mine."
Romanowski, Frank	42	Loader	Zeigler	June	4	Fall of coal	Bell & Zoller Coal Co., No. 1.
Rotramel, Robt	29	Triprider	West Frankfort	Feb.	18	Pit car	C. W. & F. Coal Co., No. 2.
Rushlander, Edw	49	Engineer	Mt. Olive	May	21	Bursting steam chest	Madison Coal Corp., No. 5.
Schust, Matt	54	Loader	Pawnee	Oct.	15	Pit car	Peabody Coal Corp., No. 8.
Sesock, Mike	56	Miner	Danville	Oct.	1	Fall of rock	Peabody Coal Co., No. 24.
Shephert, Robt	37	Machine man	Buckner	Dec.	3	Fall of coal	Old Ben Coal Co., No. 14.
Sherfield, Oscar	49	Miner	Catlin	July	13	Fall of coal	Taylor English Coal Co.
Smith, Harvey	35	Miner	Harrisburg	Sept.	1	Fall of slate	Wasson Coal Co., No. 1.
Snedley, Frank V	29	Triprider	Johnston City	Nov.	12	Pit cars	Cartersville Herrin Coal Co.
Sonagieri, Attili	49	Laborer	Staunton	Nov.	27	Pit cars	Mt. Olive & Staunton Coal Co., No. 2.
Sparks, Dyer	35	Miner	Dalzell	Feb.	12	Shot explosion	LaSalle County Carbon Coal Co., "Union."
Sparks, Luther S	28	Triprider	Zeigler	Feb.	23	Shot explosion	Bell & Zoller Coal Co., No. 1.
Stewart, Alexander	35	Machine man	Georgetown	Aug.	1	Fall of rock	U. S. Fuel Co., "Bun mine."
Stewart, James L	20	Miner	Kincaid	Jan.	4	Powder explosion	Peabody Coal Co., No. 7.
Stephane, Attelios	37	Machine man	Wilsonville	Dec.	21	Fall of coal	St. Louis Coal & Iron Co., No. 2.
Tabor, James	36	Assistant boss	West Frankfort	Dec.	18	Pit cars	Superior Coal Co., No. 4.
Towace, Joseph	61	Miner	Mt. Olive	May	18	Fall of slate	Old Ben Coal Corp., No. 8.
Triswelder, Alvin	20	Miner	Bellevue	Oct.	29	Fall of slate	Consolidated Coal Co., No. 15.
Tuesen, Wm	21	Triprider	Dowell	July	19	Pit car	Guest Coal Co.
Twigg, Max	50	Miner	Springfield	June	20	Shot explosion	Union Colliery Co.
Vaughn, James	59	Laborer	Centralia	May	8	Fall of slate	Peabody Coal Co., No. 57.
Vincent, Wm	38	Driver	Springfield	Jan.	21	Caught between car and cross-bar	Centralia Coal Co.
Vinyard, Wesley	37	Laborer	Carriers Mills	Dec.	29	Fall of roof	Panther Creek Mines, Inc., No. 3.
Williams, James	52	Miner	Canton	Aug.	9	Railway car	Wasson Coal Co., No. 2.
Wright, Orvil	27	Laborer	Taylorville	June	21	Struck by cage	Bennet Coal Co.
Zeigler, John	20	Driver	Staunton	Apr.	6	Pit car	Peabody Coal Co., No. 9.
							Mt. Olive & Staunton Coal Co., No. 2.

TABLE 34—FATAL ACCIDENTS BY DISTRICTS AND CAUSES.

District.	Underground.						In shaft.			On surface.				Grand total.	
	Falls of roof and sides.	Gas explosions.	Haulage.	Electricity.	Explosives.	Other causes.	Total.	Cage.	Fell down shaft.	Total.	Machinery.	Railway cars.	Other causes.		Total.
First.....	2			1	1		4								4
Second.....	2						2		1	1					3
Third.....	2						2							1	3
Fourth.....	6	1	4		2		13	1		1		1			14
Fifth.....	4					1	5								5
Sixth.....	5		2				7					1	1	2	9
Seventh.....	1		5				6								6
Eighth.....	2			1			3				1		1	2	5
Ninth.....	3		3	2	2		10								10
Tenth.....	17	7	5		1	3	33	1		1	1			1	35
Eleventh.....	5		3	1		1	10								10
Twelfth.....	3		2				5								5
Total.....	52	8	24	5	6	5	100	2	1	3	2	2	2	6	109

TABLE 35—FATAL ACCIDENTS BY OCCUPATION AND CAUSES.

Occupation.	Underground.						In shaft.			On surface.				Grand total.	
	Falls of roof and sides.	Gas explosions.	Haulage.	Electricity.	Explosives.	Other causes.	Total.	Cage.	Fell down shaft.	Total.	Machinery.	Railway cars.	Other causes.		Total.
Driver.....	1		6				7								7
Engineer.....															1
Foreman.....	2	1					3								3
Laborer.....	5		3	3	1	1	13	1	1	2	2	1	1	4	19
Loader.....			1			2	10								10
Machine man.....	12					1	13								13
Miner.....	21		4	1	4	1	31	1		1		1		1	33
Mine examiner.....		1					1								1
Motorman.....		2	1				3								3
Shot firer.....	1	1					2								2
Timberman.....	3						3								3
Triprider.....		3	9	1	1		14								14
Total.....	52	8	24	5	6	5	100	2	1	3	2	2	2	6	109

TABLE 36—CAUSES OF FATAL ACCIDENTS BY YEARS—1882-1929.

Year.	Underground.							In shaft.				On surface.			
	Total number killed.	Falls of roof and sides.	Gas explosions.	Haulage.	Electricity.	Explosives.	Other causes.	Falling down shaft.	Cage.	Other causes.	Total.	Machinery.	Railway cars.	Other causes.	Total.
1882	40	26				5	9								
1883	134	40	12	2		2	a78	134							
1884	46	29	4			6	7	46							
1885	39	b20						20							
1886	52	32				10			1	4	5				
1887	41	28						28							
1888	55	33		0		9		4	2		6		1		1
1889	42	26		5		3	1	35	2	4	7				
1890	53	36	5	3		4		4	4	1	4		1		1
1891	60	33	4	2		11	1	51	1	4	7		2		2
1892	57	28	3	6		4	3	44	8	4	12		1		1
1893	69	48	2	2		6	2	60	3	4	8		1		1
1894	72	43		6		8		57	5	8	13		2		2
1895	75	38	5	6		12	2	63	5	4	10	1	1		2
1896	77	41	2	9		9	2	63	6	5	11	1	1	1	3
1897	69	46	2	1		11		60	6		7	1	1		2
1898	75	43	7	3		11	2	66	4	2	6	1	1	1	3
1899	84	51	5	6		6	6	74	4	5	9	1	1		1
1900	94	51	1	11		20		83	1	4	7	2	2		4
1901	99	57	1	14		20	3	95	1	1	2			2	2
1902	99	55		15		17	1	88	7	2	9		2		2
1903	156	77	8	18	1	41	2	147	2	6	8			1	1
1904	157	65		21	1	44	3	134	10	4	14	6	2	1	9
1905	199	80	59	11	1	32	3	186	5	6	1	12	1		1
1906	155	84	2	22		22	1	131	9	5	1	15	3	4	9
1907	165	84	4	29	1	25	2	145	6	8	14	4	2		6
1908	183	91	7	35	1	29	1	164	3	1	7	4	8		12
1909	213	84	44	30	2	29	1	190	5	4	10	3	8	2	13
1910	406	65	20	23	3	17	c258	386	3	6	9	3	5	5	11
1911	157	80	8	40	1	10	4	143	5	2	2	9	2	3	5
1912	180	98	3	38	3	13	12	167	6	3	9		2	2	4
1913	175	81	10	50	6	10	5	162	5	4	10		2	1	3
1914	159	83	6	40	6	6	7	148	2	1	3		4	4	8
1915	180	57	68	27	2	9	12	175	1		2	3		2	2
1916	165	80	12	43	4	13	1	153	4		4	2	6		8
1917	207	77	19	67	7	12	3	185		4	1	5	5	9	17
1918	259	100	27	70	13	20	4	234	8	8	18		4	3	7
1919	298	93	31	51	7	12	1	195	4	4	10		2	1	3
1920	181	91	7	41	14	9	5	167	8	2	10	1	2	1	4
1921	222	112	6	54	9	20	8	209	2	4	6	1	4	2	7
1922	159	71	15	29	8	17	7	147	2	1	3	6		5	1
1923	161	82	2	40	6	13	6	149	3	1	5		4	3	7
1924	184	76	40	37	5	10	8	176	2		4	2			4
d1925	183	89	5	46	12	11	9	172	1	2	3	3	3	2	8
1926	165	85	13	39	5	7	4	153	7	1	9	1	1	1	3
1927	106	44	17	18	5	5	9	97	3	1	4	2	2	1	5
1928	139	72	23	21	2	6	5	129	1	1	2	2	4	3	8
1929	109	52	8	24	5	6	5	100	1	2	3	2	2	2	6

a Sixty-nine men were drowned in the Braidwood mine disaster.

b Other causes not classified.

c Two hundred fifty-six men lost their lives in the Cherry mine fire.

d From July 1, 1924, to December 31, 1925.

TABLE 37—MINE DISASTERS WHERE MORE THAN TWO MEN WERE KILLED.

Date.	Name of operator.	Location of mine.	Cause.	Number killed.
Feb. 16, 1883	Wilmington C. M. & Mfg. Co.	Braidwood.	Drowned.	69
1883.	Coulterville Coal Co.	Coulterville.	Gas explosion.	10
Oct. 13, 1902	Victor Coal Co.	Pawnee.	Blast explosion.	3
Feb. 25, 1903	Auburn & Alton Coal Co.	Auburn.	Blast explosion.	3
Mar. 13, 15,				
16, 1903.	Cardiff Coal Co.	Cardiff.	Gas explosion.	9
Mar. 23, 1903	Athens Coal Co.	Athens.	Blast explosion.	6
Mar. 31, 1903	Sandoval Coal Co.	Sandoval.	Blast explosion.	8
May 11, 1904	Big Muddy Coal & Iron Co.	Herrin.	Powder explosion.	10
Dec. 9, 1904	Eldorado Coal Co.	Eldorado.	Blown-out shot.	4
Jan. 16, 1905	Decatur Coal Co.	Decatur.	Suffocation—mine fire.	6
Apr. 3, 1905	Zeigler Coal Co.	Zeigler.	Gas explosion.	50
Dec. 22, 1906	Breese-Trenton Mining Co.	Breese.	Falling cage.	6
Jan. 29, 1907	Johnston City B. M. C. Co.	Johnston City.	Powder explosion.	7
Sept. 7, 1907	Dering Coal Co., No. 11.	West Frankfort.	Gas explosion.	4
Oct. 6, 1908	Harrisburg & Southern C. Co.	Grayson.	Powder explosion.	3
Nov. 5, 1908	W. P. Rend Coal Co.	Rend.	Gas explosion.	4
Nov. 19, 1908	Benton Coal Co.	Benton.	Gas explosion.	3
Dec. 12, 1908	W. P. Rend Coal Co.	Rend.	Gas explosion.	3
Jan. 10, 1909	Zeigler Coal Co.	Zeigler.	Gas explosion.	26
Feb. 9, 1909	Zeigler Coal Co.	Zeigler.	Gas explosion.	3
Feb. 16, 1909	Dering Coal Co., No. 18.	West Frankfort.	Gas explosion.	4
Nov. 13, 1909	St. Paul Coal Co., No. 2.	Cherry.	Mine fire.	256
Dec. 23, 1909	Chicago & Carterville Coal Co.	Herrin.	Gas explosion.	8
Dec. 27, 1909	Centralia Coal Co.	Centralia.	Gas explosion.	4
Nov. 14, 1910	Shoal Creek Coal Co.	Panama.	Gas explosion.	6
Feb. 13, 1911	Saline County Coal Co.	Harrisburg.	Falling bucket.	4
Oct. 21, 1911	O' Gara Coal Co., No. 9.	Harrisburg.	Suffocated, after damp.	8
Jan. 15, 1913	Crescent Coal Co.	Peoria.	Suffocated, after damp.	3
Feb. 19, 1913	Eldorado Coal & Mining Co.	Eldorado.	Gas explosion.	4
Oct. 27, 1914	Franklin Coal & Coke Co., No. 1.	Royalton.	Gas explosion.	52
Apr. 5, 1915	Shoal Creek Coal Co.	Panama.	Gas explosion.	11
July 27, 1915	United Coal Co., No. 1.	Christopher.	Gas explosion.	8
Dec. 8, 1916	Johnston City Coal Co.	Johnston City.	Mine fire.	3
May 12, 1917	Saline County Coal Co., No. 6.	Grayson.	Gas explosion.	4
June 2, 1917	W. P. Rend C. & C. Co.	Herrin.	Gas explosion.	9
Sept. 17, 1917	C. W. & F. Coal Co., No. 1.	Orient.	Falling cage.	5
Nov. 29, 1917	Old Ben Coal Corp., No. 11.	Christopher.	Gas explosion.	17
Dec. 5, 6, 1917	Bell & Zollar Coal Co., No. 1.	Zeigler.	Gas explosion.	3
Feb. 22, 1918	Citizens Coal Co., A.	Springfield.	Dust explosion.	4
Feb. 22, 1918	C. W. & F. Coal Co., Royal.	Virden.	Powder explosion.	3
June 29, 1918	O' Gara Coal Co., No. 8.	Eldorado.	Suffocated by gas.	3
Sept. 28, 1918	Franklin Coal & Coke Co.	Royalton.	Gas explosion.	21
May 12, 1919	Marion County Coal Co.	Centralia.	Gas explosion.	4
June 6, 1919	Old Ben Coal Corp., No. 10.	Christopher.	Gas explosion.	3
Feb. 14, 1921	O' Gara Coal Co., No. 8.	Eldorado.	Gas explosion.	3
Feb. 23, 1921	Centralia Coal Co.	Centralia.	Windy shot.	3
Feb. 23, 1921	Union Col. Co.	Dowell.	Mine fire.	7
Aug. 31, 1921	Harrisburg Col. Co.	Harco.	Gas explosion.	12
Feb. 21, 1922	Springfield Dist. C. M. Co., No. 58.	Taylorville.	Shot explosion.	3
Sept. 29, 1922	Consolidated Coal Co., L. C.	Johnston City.	Gas explosion.	5
Dec. 6, 1923	Aluminum Ore Co.	Belleville.	Drowned.	3
Jan. 25, 1924	Crerar-Clinch Coal Co.	Johnston City.	Gas explosion.	33
Sept. 26, 1925	Consolidated Coal Co., No. 7.	Herrin.	Gas explosion.	3
Jan. 29, 1926	C. W. & F. Coal Co., No. 2.	West Frankfort.	Gas explosion.	5
Mar. 30, 1927	Saline County Coal Corp., No. 2.	Ledford.	Gas explosion.	8
Dec. 30, 1927	Cosgrove-Meehan Coal Co., No. 1.	Johnston City.	Gas explosion.	7
Jan. 9, 1928	Peabody Coal Co., No. 18.	West Frankfort.	Gas explosion.	21
Dec. 1, 1929	Old Ben Coal Corp., No. 8.	West Frankfort.	Gas explosion.	7



TABLE 38—FATAL ACCIDENTS BY MONTHS.

Month.	Districts.											Total.	
	First.	Second.	Third.	Fourth.	Fifth.	Sixth.	Seventh.	Eighth.	Ninth.	Tenth.	Eleventh.		Twelfth.
January.....			1	3			1			2	2	1	10
February.....	1	1	1					1	2	2	2		11
March.....		2		1		1							4
April.....	1						1		2		1	2	7
May.....				1		2	1			1			6
June.....	1			2					1	1			11
July.....					1			1	1	1			5
August.....			1	1	1	1		1	1	2	1		8
September.....				1		2	1	1	1	2			9
October.....				1		1		2	1		2		8
November.....				3	2	1			1	4			13
December.....	1			1	1	1	1			2		1	8
Total.....	4	3	3	14	5	9	6	5	10	35	10	5	109

TABLE 39—FATAL AND NON-FATAL ACCIDENTS, RATIOS AND PROPORTIONS, 1882-1929. (INJURIES INVOLVING A LOSS OF 30 OR MORE DAYS.)

Year.	Tons mined.	Number employed.	Accidents.		Tons mined to one man.		Accidents.			
			Fatal.	Non-fatal.	Killed.	Injured.	Per 1,000 employed.		Per 1,000,000 tons mined.	
							Fatal.	Non-fatal.	Fatal.	Non-fatal.
1882.	9,115,003	20,290	40	50	227,825	182,300	2.0	2.5	4.4	5.5
1883.	10,502,791	23,939	134	231	78,379	49,309	5.6	9.1	12.8	22.0
1884.	10,101,004	25,575	46	197	219,587	51,274	1.8	7.7	4.6	19.5
1885.	9,791,874	25,946	39	147	251,074	66,611	1.5	5.7	4.0	15.0
1886.	9,255,435	25,846	52	171	177,989	54,125	2.0	6.6	5.6	18.5
1887.	10,278,965	26,804	41	180	250,706	57,105	1.5	6.7	4.0	17.5
1888.	11,855,183	29,410	55	179	215,549	66,230	1.9	6.1	4.7	15.1
1889.	11,597,973	30,076	42	201	276,742	57,701	1.4	6.7	3.6	17.3
1890.	12,565,364	28,574	53	294	273,082	42,739	1.9	10.3	4.2	23.4
1891.	15,660,688	32,951	60	367	261,011	42,672	1.9	11.1	3.9	23.4
1892.	17,851,974	33,632	57	370	313,193	48,249	1.7	11.0	3.2	20.7
1893.	19,916,504	35,390	69	403	288,647	49,421	1.9	11.4	3.5	20.2
1894.	17,113,576	38,477	72	521	237,690	32,848	1.9	13.5	4.2	30.4
1895.	17,735,864	38,630	75	605	236,478	29,315	1.9	15.7	4.2	34.1
1896.	19,786,105	37,032	77	672	256,962	29,444	2.1	18.1	3.9	34.0
1897.	20,072,698	33,788	69	518	290,908	38,750	2.0	15.3	3.4	25.8
1898.	18,598,899	35,026	75	438	247,985	42,463	2.1	12.4	4.0	23.5
1899.	23,434,443	36,901	84	597	278,981	39,254	2.3	16.2	3.6	25.5
1900.	25,153,929	39,384	94	611	267,559	41,168	2.4	15.5	3.7	24.3
1901.	26,635,319	44,143	99	422	269,044	63,117	2.2	9.6	3.8	15.8
1902.	30,021,300	46,003	99	406	303,245	73,944	2.2	8.8	3.3	13.5
1903.	34,955,400	49,814	156	410	224,073	85,257	3.1	8.2	4.5	11.7
1904.	37,077,897	54,774	157	507	236,165	73,132	2.9	9.3	4.2	13.7
1905.	37,183,374	59,230	199	535	185,852	69,502	3.4	9.0	5.4	14.4
1906.	38,317,581	62,283	155	480	247,210	79,828	2.5	7.7	4.0	12.5
1907.	47,798,501	66,714	165	636	289,688	75,155	2.5	9.5	3.5	13.3
1908.	49,272,479	70,841	183	819	269,248	60,162	2.6	11.6	3.7	16.6
1909.	49,163,710	72,733	213	894	230,816	54,993	2.9	12.3	4.3	18.2
1910.	48,718,853	74,634	406	742	119,997	65,659	5.4	9.9	8.3	15.2
1911.	50,165,098	77,410	157	709	319,523	70,755	2.0	9.2	3.1	14.2
1912.	57,514,240	79,411	180	800	315,524	71,893	2.3	10.7	3.1	13.9
1913.	61,846,202	79,497	175	1,025	353,407	60,338	2.2	12.9	2.8	16.2
1914.	60,715,795	80,035	159	1,079	381,860	56,691	2.0	13.4	2.6	17.6
1915.	57,601,694	75,607	180	1,013	320,009	56,870	2.4	13.4	3.1	17.6
1916.	63,673,530	75,919	165	1,305	385,900	48,792	2.2	17.2	2.6	20.5
1917.	78,983,536	80,893	207	1,634	381,563	48,338	2.6	20.2	2.6	20.7
1918.	89,979,469	91,372	259	2,161	347,411	41,638	2.8	23.7	2.9	24.0
1919.	75,099,784	90,897	208	2,620	361,057	28,664	2.3	28.8	2.8	34.9
1920.	73,920,653	88,192	181	3,571	408,401	20,700	2.5	40.5	2.4	48.3
1921.	80,121,948	95,763	222	4,327	360,910	18,517	2.3	45.2	2.8	54.0
1922.	63,276,827	98,090	159	3,879	397,962	16,315	1.6	39.5	2.5	61.3
1923.	75,514,095	103,566	161	3,615	469,032	20,889	1.6	34.9	2.1	47.9
1924.	72,308,665	99,765	184	3,895	392,982	18,565	1.8	39.0	2.5	53.9
1925*	103,186,166	81,684	183	4,712	563,859	21,713	2.4	57.7	1.8	46.0
1926.	69,813,255	77,732	165	3,083	423,111	22,642	2.1	39.7	2.4	44.2
1927.	46,949,700	78,572	106	1,398	442,922	33,583	1.3	18.0	2.3	29.8
1928.	56,211,082	65,508	139	2,176	404,396	25,832	2.1	33.2	2.5	38.7
1929.	61,127,759	58,596	109	2,392	560,805	9,232	1.9	40.8	1.8	39.1

\* July 1, 1924, to December 31, 1925.

TABLE 40—NON FATAL ACCIDENTS, BY DISTRICTS.

District.	Losing seven or more days.				Losing thirty or more days.			
	Number injured.	Not returned.	Days lost by men returned.		Number injured.	Not returned.	Days lost by men returned.	
			Total.	Average.			Total.	Average.
First.....	249	11	6,812	29	89	11	4,327	56
Second.....	268	17	7,041	28	102	17	4,527	53
Third.....	124	9	2,724	24	36	9	1,422	53
Fourth.....	1,023	41	26,558	27	331	41	16,076	55
Fifth.....	336	41	10,237	35	153	41	7,178	64
Sixth.....	730	49	22,444	33	212	49	12,805	80
Seventh.....	458	40	13,452	32	201	40	9,310	48
Eighth.....	290	20	8,873	33	107	20	6,031	69
Ninth.....	323	34	7,569	26	113	34	4,644	59
Tenth.....	1,801	27	54,465	31	646	27	36,962	60
Eleventh.....	500	16	15,258	32	204	16	10,826	58
Twelfth.....	519	8	15,910	31	198	8	11,000	58
Total.....	6,621	313	191,343	30	2,392	313	125,108	60

TABLE 41—NON FATAL ACCIDENTS, BY CAUSES.

District.	Total number injured.	Number not returned.	Days lost by men returned.		Cause of injury.							
			Total.	Average.	Fall of person.	Falls of roof and sides.	Haulage.	Lifting.	Machinery.	Struck by objects.	Miscellaneous.	Not stated.
First.....	249	11	6,812	29	8	75	28	27	5	99	7	.....
Second.....	268	17	7,041	28	26	46	39	36	9	105	7	.....
Third.....	124	9	2,724	24	10	9	16	21	3	54	7	4
Fourth.....	1,023	41	26,558	27	63	168	131	183	22	394	27	35
Fifth.....	336	41	10,237	35	17	104	62	25	9	111	6	2
Sixth.....	730	49	22,444	33	26	172	100	91	38	265	10	28
Seventh.....	458	40	13,452	32	27	111	56	50	12	142	6	54
Eighth.....	290	20	8,873	33	21	68	41	29	7	118	5	1
Ninth.....	323	34	7,569	26	25	46	48	29	13	133	8	21
Tenth.....	1,801	27	54,465	31	113	434	264	230	83	585	57	35
Eleventh.....	500	16	15,258	32	42	107	89	54	14	181	13	.....
Twelfth.....	519	8	15,910	31	27	93	91	76	18	168	18	28
Total.....	6,621	313	191,343	30	405	1,433	965	851	233	2,355	171	208

TABLE 42—NON FATAL ACCIDENTS BY CAUSES, WITH PERCENTAGES.

Cause of injury.	Number injured.	Not returned to work.	Days lost by men returned.		Percent of—	
			Total.	Average.	Men injured.	Time lost.
Fall of person.....	405	13	11,795	30	6.1	6.2
Falls of roof and sides.....	1,433	105	49,048	37	21.6	25.6
Haulage.....	965	53	34,664	38	14.6	18.1
Lifting.....	851	25	22,140	27	12.8	11.6
Machinery.....	233	15	7,701	35	3.5	4.0
Struck by objects.....	2,355	85	55,779	25	35.6	29.1
Miscellaneous.....	171	3	3,932	23	2.6	2.1
Not stated.....	208	14	6,284	32	3.2	3.3
Total.....	6,621	313	191,343	30	100.0	100.0

TABLE 43.—SUMMARY BY DISTRICTS—NUMBER OF COUNTIES, MINES, TONS, AVERAGE DAYS WORKED, FATAL AND NON FATAL ACCIDENTS, RATIOS AND PROPORTIONS.

Districts.	Number			Number em- ployed.	Tons of coal produced.	Average days worked.		Accidents.		Number employed to each accident.		Tons mined to each accident.		Ratio of accidents to 1,000 employed.	
	Counties producing coal.	Ship- ping mines.				Local mines.	Fatal.	Non- fatal.	Fatal.	Non- fatal.	Fatal.	Non- fatal.	Fatal.	Non- fatal.	
First.....	8	9	61	1,995	1,827,661	179	134	4	249	499	8.2	456,915	7,340	2.0	124.8
Second.....	6	12	84	2,790	2,373,148	194	130	3	268	930	10.0	791,049	8,855	1.1	96.1
Third.....	7	9	215	1,914	1,991,012	167	125	3	124	638	15.0	683,671	16,057	1.6	64.8
Fourth.....	6	20	29	8,524	8,018,291	167	147	14	1,023	609	8.3	572,735	7,838	1.6	120.0
Fifth.....	3	10	71	3,593	3,193,589	175	118	5	336	719	10.7	638,718	9,505	1.4	133.5
Sixth.....	4	13	13	4,974	6,986,034	195	146	9	730	553	6.8	776,226	9,570	1.8	146.8
Seventh.....	3	16	5	3,538	3,492,710	157	118	6	458	590	7.7	582,118	7,626	1.7	129.2
Eighth.....	2	32	20	3,758	3,346,284	132	144	5	290	752	12.9	689,257	11,538	2.3	77.2
Ninth.....	4	21	42	4,284	5,607,881	158	124	10	323	428	13.3	560,788	17,362	2.3	75.4
Tenth.....	1	18	---	12,287	14,819,448	194	---	35	1,801	351	6.8	423,413	8,228	2.9	146.6
Eleventh.....	5	14	---	4,964	4,196,839	138	---	10	500	486	9.9	419,684	8,394	2.0	100.7
Twelfth.....	2	26	30	5,962	5,274,862	148	117	5	519	1,192	11.5	1,064,972	10,163	0.8	87.1
Total and averages.....	51	200	603	58,583	61,127,759	162	125	109	6,621	537	8.8	560,805	9,232	1.9	113.0

TABLE 44—SUMMARY OF THE CHARACTERISTICS OF SHIPPING MINES BY DISTRICTS.

District.	Character of mine.				Haulage.			Hoist- ing.		Mining by—			Number of mines using—					
	Shaft.	Strip.	Long-wall.	Pillar and room.	Motor only.	Mule only.	Motor and mule.	Steam.	Electric.	Hand ex- clusively.	Machine ex- clusively.	Hand and machine.	Open lights.	Closed lights.	Rock dust.	Loading ma- chines.	Conveyors.	Hand loading.
First.....	7	2	4	3	—	2	5	3	4	3	3	1	6	1	—	1	1	7
Second*.....	6	—	6	5	—	—	10	6	3	4	4	—	12	—	—	—	—	12
Third.....	7	2	—	7	1	2	4	2	4	1	1	5	7	—	1	—	—	11
Fourth.....	20	—	—	20	3	1	16	13	7	10	4	6	20	—	—	3	5	18
Fifth†.....	5	3	1	5	—	2	4	4	1	1	2	3	6	—	—	2	1	7
Sixth.....	13	—	—	13	2	1	10	11	2	1	11	1	13	—	—	1	7	10
Seventh.....	16	—	—	16	—	6	10	15	1	3	13	—	16	—	—	1	4	16
Eighth‡.....	30	1	—	31	1	5	25	27	4	14	11	6	31	—	1	3	12	23
Ninth.....	15	6	—	15	2	3	10	12	3	3	8	4	14	1	2	4	3	12
Tenth.....	18	—	—	18	11	—	7	11	7	8	10	—	4	14	17	9	11	17
Eleventh¶.....	10	1	—	13	3	—	10	12	1	1	11	1	10	3	2	3	4	11
Twelfth**.....	17	2	—	24	3	4	17	16	8	3	12	9	20	4	2	3	13	20
Total.....	164	17	11	170	26	26	128	132	45	52	90	38	159	23	30	30	61	160

\* Five slope and one drift mines. † One slope and one drift. ‡ One slope mine. ¶ Three slope mines. \*\* Seven slope mines.

## REPORT OF STATE INSPECTORS

### FIRST DISTRICT

*Hon. John G. Millhouse, Director,  
Department of Mines and Minerals,  
Springfield, Illinois.*

SIR: I have the honor of submitting to you the report of this the First Inspection District, comprising the coal producing counties of Bureau, Grundy, Henry, LaSalle, Livingston, Mercer, Rock Island and Will, for the year ended December 31, 1929.

The following is a summary of the items shown in this report:

Number of counties producing coal.....	8
Number of shipping mines.....	9
Number of local mines.....	61
Total number of employees.....	1,995
Total tons of coal produced.....	1,827,661
Days operated, shipping mines, average.....	179
Days operated, local mines, average.....	134
Number of fatal accidents.....	4
Number of non-fatal accidents.....	249
Number of employees to each fatal accident.....	499
Number of employees to each non-fatal accident.....	8.2
Tons of coal produced to each fatal accident.....	456,915
Tons of coal produced to each non-fatal accident.....	7,340
Ratio of fatal accidents per 1,000 employed.....	2.0
Ratio of non-fatal accidents per 1,000 employed.....	124.8

#### NEW OR REOPENED MINES.

The Cherry Coal Company has reopened the second vein of the old St. Paul Coal Company's No. 2 mine, Cherry, Bureau County.

The Midland Electric Coal Company has opened a new strip mine at Atkinson, Henry County.

The Shuler Coal Company has reopened the mine at Alpha, Henry County.

#### MINES OPENED 1921-1929.

Bureau County:

Cherry Coal Co., Cherry.

Grundy County:

Sunlight Coal Co., Verona.

## Henry County:

Shuler Coal Co., Alpha.

Midland Electric Coal Co., Atkinson.

## Will County:

Northern Illinois Coal Corporation, Wilmington.

## MINES ABANDONED 1921-1929.

## Bureau County:

Illinois 3d Vein Coal Co., Ladd.

St. Paul Coal Co. No. 2, Cherry.

Spring Valley Coal Co. Nos. 1 and 3, Spring Valley.

Spring Valley Coal Co. No. 5, Dalzell.

## Grundy County:

C. W. &amp; F. Coal Co. No. 3, South Wilmington.

Wilmington Star Coal Co. No. 7, Coal City.

## LaSalle County:

Oglesby Coal Co., Oglesby.

U. S. Coal Corp., Streator.

Illinois Zinc Co. No. 1, Peru.

LaSalle Co. Carbon Coal Co., Cedar Point.

Rutland Coal Co., Rutland.

G. &amp; J. Coal Co., Seneca.

## Mercer County:

Alden Coal Co., No. 7, Mathersville.

Coal Valley Coal Co. Nos. 2 and 3, Sherrard.

## Putnam County:

B. F. Berry Coal Co., Taft.

St. Paul Coal Co. No. 1, Granville.

## Will County:

Wilmington Coal M. &amp; Mfg. Co., Torino.

Mines in 1920.....	23
Mines opened 1921-1929.....	5
Mines abandoned 1921-1929.....	19
Mines in 1929 .....	9
Mines operated 1929 .....	9

## FATAL ACCIDENTS.

February 12, Attilio Sonaggieri, miner, age 35 years, single, died from injuries received two weeks previous, in LaSalle County Carbon Coal Company's Union mine. Deceased had lit a shot and retired to a place he thought was safe and was eating lunch when the shot went off, a piece of coal striking him, causing death.

April 5, Louis Chvatal, tippie man, age 30 years, single, was electrocuted in the office of the Northern Illinois Coal Corporation's mine.

June 28, Fred Gielow, miner, age 63 years, married, was killed by a fall of rock in Matthiesen & Hegeler Zinc Company's mine. He leaves a widow and six children.

November 8, Stanley Fulara, driver, age 37 years, married, was killed in LaSalle County Carbon Coal Company's No. 1 mine by a fall of rock. He leaves a widow.

Respectfully submitted,

PETER FALETTI,  
*Inspector.*



# FATAL CASUALTIES, FIRST DISTRICT, 1929.

Date. 1929	Name.	Age.	Occupation.	Residence.	Name of operator of mine.	Num- ber or letter of mine.	Married.	Single.	Widow.	Children.	Dependents.	Cause of death.
Feb.	12 Attilio Sonaglieri.....	35	Miner	Dalzell	LaSalle County C. C. Co.	Union	1	1				Shot explosion.
Apr.	5 Louis Chvatal.....	30	Tippie man	Coal City	Northern Illinois Coal Corp.	10	1	1			1	Electrocuted.
June	28 Fred Gielow.....	63	Miner	LaSalle	M. & H. Zinc Co.		1		1	6	7	Falling rock.
Nov.	8 Stanley Fulara.....	37	Driver	Spring Valley	LaSalle County C. C. Co.	1	1		1		1	Falling rock.

# NON-FATAL ACCIDENTS, FIRST DISTRICT.

Name of operator	Number injured.	Not re- turned.	Days lost by men returned.		Cause of injury.	Number injured.	Not re- turned.	Days lost by men returned.		Total.	Average.
			Total.	Average.				Total.	Average.		
French Coal Co.....	1		15	15	Fall of person.....	8		203	25		
Hodgett Bros.....	1		24	24	Falls of roof and sides.....	75	3	2,212	31		
Illinois Zinc Co.....	28		873	31	Haulage.....	3		900	36		
Kresco Coal Co.....	1		14	14	Lifting.....	27	2	725	29		
LaSalle County C. C. Co., No. 1.....	66	2	1,785	28	Machinery.....	5	1	111	28		
LaSalle County C. C. Co., L. S.....	30		980	33	Struck by objects.....	99	2	2,458	25		
LaSalle County C. C. Co., Union.....	26	1	835	33	Miscellaneous.....	7		203	29		
M. & H. Zinc Co.....	21	2	436	23							
Midland Electric C. Co.....	11		183	17							
Northern Illinois Coal Corp.....	12	1	191	17							
Shuler Coal Co.....	1		33	33							
Skinner Coal Co.....	4		232	56							
Sunlight Coal Co.....	44	5	1,146	30							
Warner Coal Co.....	3		65	22							
Total.....	249	11	6,812	29		249	11	6,812	29		

## BUREAU COUNTY

Number.	Name of operator.	Post office address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to loco-motives.	Tons sold to local trade.
	SHIPPING MINE.						
1	Cherry Coal Co. ....	Cherry .....	3,019	250	-----	-----	250
	LOCAL MINES.						
1	R. W. Hodgett .....	Mineral .....	3,520	-----	-----	-----	3,520
2	Lamb & Pollock .....	Sheffield .....	1,250	-----	-----	-----	1,250
3	Carlson & Brandt .....	Mineral .....	386	-----	-----	-----	386
	Total .....	-----	5,156	250	-----	-----	5,156
	Total 4 mines .....	-----	8,175	250	-----	-----	5,406

## GRUNDY COUNTY

	SHIPPING MINE.						
1	Sunlight Coal Co. ....	Verona .....	380,353	161,605	213,021	-----	2,521
	LOCAL MINES.						
1	Skinner Coal Co. ....	Wilmington .....	28,269	-----	-----	-----	27,228
2	Thomas A. Ferguson .....	Morris .....	1,820	-----	-----	-----	1,820
	Total .....	-----	30,089	-----	-----	-----	29,048
	Total 3 mines .....	-----	410,442	161,605	213,021	-----	31,569

## HENRY COUNTY

	SHIPPING MINES.						
1	Shuler Coal Mining Co. ....	Alpha .....	7,927	4,052	1,198	-----	1,611
2	Midland Electric Coal Co. ....	Atkinson .....	40,673	28,204	92	-----	6,907
	Total .....	-----	48,600	32,256	1,290	-----	8,518
	LOCAL MINES.						
1	Warner Coal Co. ....	Orion .....	13,807	-----	-----	-----	13,400
2	Elmer A. Stone .....	Kewanee .....	6,000	-----	-----	-----	6,000
3	Wm. F. Lamb & Son .....	Kewanee .....	4,500	-----	-----	-----	4,500
4	James Ratcliffe .....	Kewanee .....	3,162	-----	-----	-----	3,162
5	North Coal Co. ....	Kewanee .....	3,075	-----	-----	-----	3,075
6	Waterloo Coal Co. ....	Kewanee .....	2,669	-----	-----	-----	2,450
7	Rodawsky & White .....	Geneseo .....	2,200	-----	-----	-----	2,200
8	Hodgett Bros. ....	Kewanee .....	2,250	-----	-----	-----	2,050
	Total .....	-----	37,663	-----	-----	-----	36,837
	Total 10 mines .....	-----	86,263	32,256	1,290	-----	45,355

## FIRST DISTRICT.

Disposition of output—tons.		Total employees.	Days of active operation.	Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
Tons consumed at the mine.	All coal not sold including waste.			Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.	Mining machines.	Motors.					
750	1,769	18	93	90		100					3,019		1	1
		10	150								3,520			1
		6	145	40							1,250			2
		4	150								386			3
750	1,769	20	148	40		100					5,156			
750	1,769	38	134	130		100					8,175			

## FIRST DISTRICT.

723	2,483	310	283				72,500	12	5	380,353			27	
1,041		76	185	100							28,269			1
		7	140								1,820			2
1,041	2,483	83	162	100			72,500	12		380,353	30,089			
1,764	2,483	393	203	100			72,500	12		380,353	30,089			

## FIRST DISTRICT.

45	1,021	69	61	592							7,927		4	1
260	5,210	70	35	50	200	500						40,673		2
305	6,231	139	48	642	200	500					7,927	40,673		
407		19	185	649							13,807			1
		17	110								6,000			2
		10	243	1							4,500			3
		7	210								3,162			4
		9	150								3,075			5
219		13	248								2,669			6
		8	210	180							2,200			7
200		6	200								2,250			8
826		89	194	830	200						37,663	40,673		
1 131	6,231	228	165	1,472	200	500					45,590	40,673		

## LASALLE COUNTY

Number.	Name of operator.	Post office address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to local motives.	Tons sold to local trade.
SHIPPING MINES.							
1	LaSalle County Carbon Coal Co., No. 1.....	LaSalle.....	108,689	96,184	903	8,371	
2	Illinois Zinc Co.....	Peru.....	92,619	65,794		26,448	
3	LaSalle County Carbon Coal Co., Union.....	Peru.....	74,548	34,021	3,750	36,400	
4	LaSalle County Carbon Coal Co., L. S.....	LaSalle.....	58,917	42,125	2,027	11,708	
	Total.....		334,773	238,124	6,680	82,927	
LOCAL MINES.							
1	Matthiessen & Hegeler Zinc Co.....	LaSalle.....	171,015			171,015	
2	French Coal Co.....	Streator.....	14,807			14,442	
3	South Side Coal Co.....	Marseilles.....	7,000			6,500	
4	National Fire Proof Co.....	Ottawa.....	5,500			5,500	
5	Chicago Retort Co.....	Ottawa.....	4,000			4,000	
6	Mitchell & Brown.....	Streator.....	2,448			2,448	
7	Wm. Thomas Coal Co.....	Streator.....	2,162			2,162	
8	Rogers Bros.....	Streator.....	2,000			2,000	
9	Joe Senko.....	Streator.....	750			750	
10	Petrottre Worthington.....	Streator.....	500			500	
11	G. A. Baylor.....	Streator.....	400			400	
12	Massy Bros.....	Streator.....	400			400	
13	William Brooker.....	Utica.....	400			400	
14	James Moran.....	Streator.....	340			340	
15	Ottawa Silica Sand Co.....	Ottawa.....	300			300	
16	Herrick Clay Co.....	Ottawa.....	300			300	
17	Royal Sand & Clay Co.....	Dayton.....	200			200	
18	Fulwive.....	Streator.....	200			200	
19	Andrew Kollar and Ervin Kollar.....	Streator.....	200			200	
20	M. J. Gorman.....	Utica.....	180			180	
21	Dave Contorre.....	Utica.....	160			160	
22	Jake Rethenbaugh.....	Dayton.....	62			62	
23	Chas. McCollough.....	Ottawa.....	60			60	
24	August Engelbrouch.....	Ottawa.....	50			50	
25	Steve Gulvas.....	Streator.....	50			50	
	Total.....		213,484	238,124	6,680	212,619	
	Total 29 mines.....		548,257	238,124	6,680	295,546	

## LIVINGSTON COUNTY

LOCAL MINES.							
1	Co-operative Coal Co.....	Fairbury.....	10,148	-----	-----	-----	9,571
2	Oscar Kimes & Sons.....	R. R. 1, Streator..	7,330	-----	-----	-----	7,080
3	Allen Anderson.....	Streator.....	5,621	-----	-----	-----	5,621
4	John S. Wargo.....	Streator.....	2,683	-----	-----	-----	2,683
5	John Renner.....	Streator.....	451	-----	-----	-----	446
6	Wonders Bros. Coal Co.....	R. R. 2, Streator..	305	-----	-----	-----	305
7	McMillin Bros.....	R. R. 2, Streator..	100	-----	-----	-----	100
	Total.....	-----	26,638	-----	-----	-----	25,806

## FIRST DISTRICT.

Disposition of output—tons.		Total employees.	Days of active operation.	Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
Tons consumed at the mine.	All coal not sold including waste.			Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.	Mining machines.	Motors.					
3,231	377	222	233					2	2	65,802	42,887		23	1
		178	250				750		2		92,619		18	2
377		199	162					5	1	74,548			21	3
3,057		131	197					3	1	58,917			16	4
7,042		730	210				750	10	6	199,267	135,506		78	
		133	258	253	860			7	1	171,015			1	1
365		32	150	1,000							14,807		1	2
500		16	160								7,000		1	3
		4	100	4								5,500		4
		4	100	6								4,000		5
		4	200	120							2,448			6
		5	128	65							2,162			7
		4	200									2,000		8
		6	100	30							750		1	9
		3	80								500			10
		3	120	20							400			11
		3	140	9							400			12
		1	125	8							400			13
		2	85	30							340			14
		2	60	3								300		15
		2	65	3								300		16
		3	55								200			17
		3	40	7							200			18
		2	40	3							200			19
		2	35	3								180		20
		2	81	5							160			21
		1	30	2								62		22
		2	40	2							60			23
		2	30	3							50			24
		2	35	3							50			25
865		243	98	1,579	860		750	7	1	171,015	30,127	12,342	4	
7,907		973	114	1,579	860		750	17	7	370,282	165,633	12,342	82	

## FIRST DISTRICT.

577	18	184	780							10,148			1
250	15	220	350							7,330			2
	10	305	60							5,621			3
	7	190									2,683		4
5	4	81	12							451			5
	4	53	10							305			6
	3	35									100		7
832	61	153	1,221							23,855	2,783		

## MERCER COUNTY

Number.	Name of operator.	Post office address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to loco-motives.	Tons sold to local trade.
LOCAL MINES.							
1	Lee Bros.....	Mathersville.....	9,438				9,438
2	Essley Coal Co.....	Viola.....	6,050				5,600
3	Kness Coal Co.....	Viola.....	3,847				3,511
4	Hoffman & Johnson.....	Preengston.....	3,241				3,241
5	C. E. Peterson.....	R. R. 6, Aledo.....	1,718				1,718
6	N. D. Williams.....	Aledo.....	1,500				1,500
7	Smith & Harrison.....	R. R. 2, Viola.....	877				865
8	Snell & Co.....	R. R. 6, Aledo.....	794				794
9	James O'Rourke and Mike Bugas.....	Mathersville.....	240				240
10	Martin and Samuel Matazel.....	Mathersville.....	131				131
11	Louis Sebaeche.....	Viola.....	100				100
Total.....			27,936				27,138

## ROCK ISLAND COUNTY

<b>LOCAL MINES.</b>							
1	Highland Coal Mining Co.	Moline	8,215				8,215
2	Mielhe Bros.	Coal Valley	6,808				6,180
3	Ruual Coal Co.	Coal Valley	3,502				3,400
4	McKeag Bros.	Coal Valley	105				100
5	August Frederick	Coal Valley	40				35
<b>Total</b>			18,670				17,930

## WILL COUNTY

<b>SHIPPING MINE.</b>							
1	Northern Illinois Coal Corp.	Wilmington	701,280	611,325	75,867		13,724

## FIRST DISTRICT.

Disposition of output—tons.		Total employees.	Days of active operation.	Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
Tons consumed at the mine.	All coal not sold including waste.			Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.	Mining machines.	Motors.					
450		11	275	800							9,438			1
336		14	140	625							6,050			2
		8	214	327							3,847			3
		12	120	350							3,241			4
		6	160	100							1,718		1	5
12		4	124	137							1,500			6
		4	158	58							877			7
		5	180	120							794			8
		6	100	40							240			9
		2	152	17							131			10
		2	60	14							100			11
798		74	153	2,588							27,936		1	

## FIRST DISTRICT.

628		23	188								8,215			1
102		15	165	336							6,808			2
5		11	210	175	57						3,502			3
5		3	56	18							105			4
5		5	10	4							40			5
740		57	126	533	57						18,670			

## FIRST DISTRICT.

364		171	302	30,000	1,350						701,280		1
-----	--	-----	-----	--------	-------	--	--	--	--	--	---------	--	---

## SHIPPING MINES, RECAPITULATION

County.	Number of mines.	Total tons mined.	Disposition of output in tons.					All coal not sold, including waste.
			Loaded on cars for shipment.	Sold to railroad companies.	Supplied to locomotives.	Sold to local trade.	Used at the mine.	
Bureau.....	1	3,019	250	-----	-----	250	750	1,769
Grundy.....	1	380,353	161,605	213,021	-----	2,521	723	2,483
Henry.....	2	48,600	32,256	1,290	-----	8,518	305	6,231
LaSalle.....	4	334,773	238,124	6,680	-----	82,927	7,042	-----
Will.....	1	701,280	611,325	75,867	-----	13,724	364	-----
Total.....	9	1,468,025	1,043,560	296,858	-----	107,940	9,184	10,483

## LOCAL MINES, RECAPITULATION

Bureau.....	3	5,156	-----	-----	-----	5,156	-----	-----
Grundy.....	2	30,089	-----	-----	-----	29,048	1,041	-----
Henry.....	8	37,663	-----	-----	-----	36,837	826	-----
LaSalle.....	25	213,484	-----	-----	-----	212,619	865	-----
Livingston.....	7	26,638	-----	-----	-----	25,806	832	-----
Mercer.....	11	27,936	-----	-----	-----	27,138	798	-----
Rock Island.....	5	18,670	-----	-----	-----	17,930	740	-----
Total.....	61	359,636	-----	-----	-----	354,534	5,102	-----

## RECAPITULATION, ALL MINES

Bureau.....	4	8,175	250	-----	-----	5,406	750	1,769
Grundy.....	3	410,442	161,605	213,021	-----	31,569	1,764	2,483
Henry.....	10	86,263	32,256	1,290	-----	45,355	1,131	6,231
LaSalle.....	29	548,257	238,124	6,680	-----	295,546	7,907	-----
Livingston.....	7	26,638	-----	-----	-----	25,806	832	-----
Mercer.....	11	27,936	-----	-----	-----	27,138	798	-----
Rock Island.....	5	18,670	-----	-----	-----	17,930	740	-----
Will.....	1	701,280	611,325	75,867	-----	13,724	364	-----
Total.....	70	1,827,661	1,043,560	296,858	-----	462,474	14,286	10,483



## BY COUNTIES, FIRST DISTRICT.

Total em- ployees.	Days oper- ated.	Explosives used for blasting coal.				Number of mining ma- chines used.	Number of motors in use.	Tons mined by—			Number of animals underground.
		Pow- der— kegs.	Pellet pow- der— pounds.	Dyna- mite— pounds.	Permis- sibles— pounds.			Ma- chine.	Hand.	Strip- ping.	
18	93	90		100							1
310	283				72,500	12	5	380,353	3,019		27
139	96	642	200	500					7,927	40,673	4
730	211				750	10	6	199,267	135,506		78
171	302		30,000	1,350						701,280	
1,368	180	732	30,200	1,950	73,250	22	11	579,620	146,452	741,953	110

## BY COUNTIES, FIRST DISTRICT.

20	148	40	-----	-----	-----	-----	-----	-----	5,156	-----	-----	-----
83	163	100	-----	-----	-----	-----	-----	-----	30,089	-----	-----	-----
89	195	830	-----	-----	-----	-----	-----	-----	37,663	-----	-----	-----
243	98	1,579	860	-----	-----	7	-----	171,015	30,127	12,342	-----	-----
61	153	1,221	-----	-----	-----	-----	-----	-----	23,855	2,783	-----	-----
74	153	2,588	-----	-----	-----	-----	-----	-----	27,936	-----	-----	-----
57	126	533	57	-----	-----	-----	-----	-----	18,670	-----	-----	-----
627	134	6,891	917	-----	-----	7	-----	171,015	173,496	15,125	-----	-----

## BY COUNTIES, SECOND DISTRICT.

38	134	130	-----	100	-----	-----	-----	-----	8,175	-----	-----	1
393	203	100	-----	72,500	-----	12	5	380,353	30,089	-----	-----	27
228	165	1,472	200	500	-----	-----	-----	-----	45,590	40,673	-----	4
973	114	1,579	860	-----	750	17	6	370,282	165,633	12,342	-----	78
61	153	1,221	-----	-----	-----	-----	-----	-----	23,855	2,783	-----	-----
74	153	2,588	-----	-----	-----	-----	-----	-----	27,936	-----	-----	-----
57	126	533	57	-----	-----	-----	-----	-----	18,670	-----	-----	-----
171	302	-----	30,000	1,350	-----	-----	-----	-----	-----	701,280	-----	-----
1,995	140	7,623	31,117	1,950	73,250	29	11	750,635	319,948	757,078	-----	110

## SECOND DISTRICT

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*Hon. John G. Millhouse, Director,  
Department of Mines and Minerals,  
Springfield, Illinois.*

SIR: I have the honor of submitting to you the report of this the Second Inspection District, comprising the coal producing counties of Logan, Marshall, Peoria, Stark, Tazewell and Woodford, for the year ended December 31, 1929.

The following is a summary of the items shown in this report:

Number of counties producing coal.....	6
Number of shipping mines.....	12
Number of local mines.....	84
Total number of employees.....	2,790
Total tons of coal produced.....	2,373,148
Days operated, shipping mines, average.....	194
Days operated, local mines, average.....	130
Number of fatal accidents.....	3
Number of non-fatal accidents.....	268
Number of employees to each fatal accident.....	930
Number of employees to each non-fatal accident.....	10
Tons of coal produced to each fatal accident.....	791,049
Tons of coal produced to each non-fatal accident.....	8,855
Ratio of fatal accidents per 1,000 employed.....	1.1
Ratio of non-fatal accidents per 1,000 employed.....	96.1

### CHANGE OF NAME.

J. T. Baron Company to Roanoke Coal & Tile Company.

### MINES OPENED 1921-1929.

Crescent Coal Company Nos. 5 and 6, Peoria, Peoria County.

### MINES ABANDONED 1921-1929.

Logan County:

Brewerton Coal Company No. 93.

Marshall County:

Toluca Coal Co., Toluca.

Star Coal Co. No. 3, Sparland.

Wenona Coal Co., Wenona.

Peoria County:

Clark Coal & Coke Co. No. 2, Peoria.

Collier Cooperative Coal Co., Bartonville.

Crescent Coal Co. No. 2, Peoria.

Glasford Coal Co., Glasford.

Lancaster Coal Co., Kingston Mines.

Leitner Coal Co., Pekin.  
 Silver Creek Colliery Co. No. 2, Edwards.  
 M. E. Case Coal Co., Peoria.

Tazewell County:

Groveland Coal Mining Co. No. 1, East Peoria.  
 Tazewell Coal Co., Pekin.  
 Johnston City Big Muddy Coal Co., Pekin.

McLean County:

McLean Co. Coal Co., Bloomington.

Mines in 1920 .....	26
Mines opened 1921-1927 .....	2
Mines abandoned 1921-1929 .....	16
Mines in 1929 .....	12
Mines operated 1929 .....	12

FATAL ACCIDENTS.

February 25, John D. Armstrong, laborer, age 38 years, married, was killed by falling down the shaft in Crescent Coal Company's No. 2 mine. He leaves a widow and six children.

March 1, Cyril Duthee, miner, age 51 years, married, was killed by a fall of slate in Crescent Coal Company's No. 6 mine. He leaves a widow.

March 21, Bert Kelly, miner, age 32 years, married, was killed by a fall of slate in the George Petrie mine. He leaves a widow and two children.

Respectfully submitted,

WILLIAM E. KIDD,  
*Inspector.*

FATAL CASUALTIES, SECOND DISTRICT, 1929.

Date, 1929.	Name.	Age.	Occupation.	Residence.	Name of operator of mine.	Num- ber or letter of mine.	Married.	Single.	Widow.	Children.	Dependents.	Cause of death.
Feb. 25	John D. Armstrong	38	Laborer	Peoria	Crescent Coal Co.	2	1	1	1	6	7	Fell down shaft.
Mar. 1	Cyril Dutche	51	Miner	Peoria	Crescent Coal Co.	6	1	1	1	1	1	Falling slate.
Mar. 21	Bert Kelly	32	Miner	Bartonville	George Petrie		1	1	1	2	3	Falling slate.

## NON-FATAL ACCIDENTS, SECOND DISTRICT.

Name of operator.	Number injured.	Not re- turned.	Days lost by men returned.		Cause of injury.	Number injured.	Not re- turned.	Days lost by men returned.	
			Total.	Average.				Total.	Average.
Big Hollow Coal Co.	4		91	23	Fall of persons.	26	1	639	26
Brewster Coal Co., No. 92	21	1	956	45	Falls of roof and sides	46	5	1,436	32
Central West Coal Co.	8	1	204	29	Haulage.	33	1	1,315	35
Coal Creek Mining Co.	2				Lifting.	36	1	918	27
Crescent Coal Co., No. 1	66	5	1,389	23	Machinery.	9		212	24
Crescent Coal Co., No. 2	27	1	739	28	Struck by objects	105	9	2,354	23
Crescent Coal Co., No. 5	13	1	299	23	Miscellaneous	7		128	18
Crescent Coal Co., No. 6	53	2	1,271	25					
Cusack Coal Co.	1		36	36					
Dorthel Coal Co., No. 1	8		255	32					
Hilltop Mining Co.	9		214	27					
Lake Erie Mining Co.	16	1	489	31					
Lea Bros.	3		81	27					
Lightbody Coal Co.	3		135	45					
Manhattan Coal Co.	3		80	27					
Mohn, Ed. & Son.	4		84	21					
Newsam Coal Co.	2		37	18					
Petrie Coal Co.	2		41	20					
Pocahontas Coal Co.	3		120	40					
Roanoke Coal & Tile Co.	7	3	161	40					
Stever, S. R.	1		15	15					
Sutton, W. G. Co.	12		334	28					
Total	268	17	7,041	28		268	17	7,041	28

## LOGAN COUNTY

Number.	Name of operator.	Post office address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to loco-motives.	Tons sold to local trade.
SHIPPING MINE.							
1	Brewerton Coal Co., No. 92	Lincoln .....	137,234	28,983	16,256	19,776	65,367

## MARSHALL COUNTY

LOCAL MINES.						
1	HyTex Brick Co. ....	Sparland .....	5,108	-----	-----	5,108
2	Tony Turk .....	Sparland .....	1,360	-----	-----	1,360
3	Matt Sparr .....	Sparland .....	978	-----	-----	978
4	George Christman .....	Sparland .....	765	-----	-----	765
5	Thos. Lopeman .....	Chillicothe .....	700	-----	-----	700
6	Ernest Colwell .....	Sparland .....	580	-----	-----	580
7	William Crew .....	Sparland .....	537	-----	-----	537
8	Quick Service .....	Chillicothe .....	530	-----	-----	530
9	E. O. Frisby .....	Sparland .....	482	-----	-----	482
10	Frank Colwell .....	Sparland .....	452	-----	-----	452
11	Lake View Mine .....	Lecon .....	378	-----	-----	378
12	R. H. Ingram .....	Sparland .....	368	-----	-----	368
13	Babbington & Kear .....	Sparland .....	272	-----	-----	272
14	William Schandler .....	Sparland .....	220	-----	-----	220
15	Bartol Bavar .....	Sparland .....	175	-----	-----	175
16	Vincent Dobrich .....	Sparland .....	155	-----	-----	155
17	Dobie Hunt .....	Sparland .....	82	-----	-----	82
18	Martin Scholtz .....	Sparland .....	63	-----	-----	63
Total .....			13,205	-----	-----	13,205

## PEORIA COUNTY

SHIPPING MINES.						
1	Crescent Coal Co., No. 6 .....	Peoria .....	546,867	546,335	-----	-----
2	Crescent Coal Co., No. 1 .....	Peoria .....	485,122	4,234	478,306	1,998
3	Dorthel Coal Co., No. 1 .....	Hanna City .....	102,451	24,612	73,702	3,736
4	Crescent Coal Co., No. 5 .....	Peoria .....	86,863	-----	86,592	-----
5	Central West Coal Co. ....	Peoria .....	65,311	40,215	23,979	4
6	East Mapleton Coal Co. ....	Peoria .....	7,451	7,301	-----	150
Total .....			1,294,065	622,697	662,579	1,998
						3,890

## SECOND DISTRICT.

Disposition of output—tons.		Total employees.	Days of active operation.	Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
Tons consumed at the mine.	All coal not sold including waste.			Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.	Mining machines.	Motors.					
6,592	260	270	260	9,778	-----	-----	-----	-----	2	-----	137,234	-----	19	-----

## SECOND DISTRICT.

-----	-----	11	161	302	-----	-----	-----	-----	-----	-----	5,108	-----	-----	1
-----	-----	6	137	95	-----	-----	-----	-----	-----	-----	1,360	-----	-----	2
-----	-----	2	190	91	-----	-----	-----	-----	-----	-----	978	-----	-----	3
-----	-----	4	146	66	-----	-----	-----	-----	-----	-----	765	-----	-----	4
-----	-----	2	264	76	-----	-----	-----	-----	-----	-----	700	-----	-----	5
-----	-----	4	138	57	-----	-----	-----	-----	-----	-----	580	-----	-----	6
-----	-----	2	140	47	-----	-----	-----	-----	-----	-----	537	-----	-----	7
-----	-----	5	54	55	-----	-----	-----	-----	-----	-----	530	-----	-----	8
-----	-----	3	95	30	-----	-----	-----	-----	-----	-----	482	-----	-----	9
-----	-----	2	141	51	-----	-----	-----	-----	-----	-----	452	-----	-----	10
-----	-----	4	57	47	-----	-----	-----	-----	-----	-----	378	-----	-----	11
-----	-----	4	142	58	-----	-----	-----	-----	-----	-----	368	-----	-----	12
-----	-----	2	64	24	-----	-----	-----	-----	-----	-----	272	-----	-----	13
-----	-----	4	19	23	-----	-----	-----	-----	-----	-----	220	-----	-----	14
-----	-----	4	21	14	-----	-----	-----	-----	-----	-----	175	-----	-----	15
-----	-----	1	75	1	-----	-----	-----	-----	-----	-----	155	-----	-----	16
-----	-----	3	23	7	-----	-----	-----	-----	-----	-----	82	-----	-----	17
-----	-----	2	25	7	-----	-----	-----	-----	-----	-----	63	-----	-----	18
-----	-----	65	105	1,051	-----	-----	-----	-----	-----	-----	13,205	-----	-----	-----

## SECOND DISTRICT.

380	152	423	286	15,530	-----	-----	-----	15	3	457,587	89,280	-----	26	1
450	134	370	286	7,680	-----	-----	-----	16	5	485,122	-----	-----	26	2
401	-----	201	158	1,589	-----	-----	-----	10	2	102,451	-----	-----	28	3
80	191	104	156	1,491	-----	-----	-----	5	1	86,863	-----	-----	7	4
93	1,020	93	158	1,500	-----	-----	-----	3	2	65,311	-----	-----	8	5
-----	-----	26	113	265	-----	-----	-----	-----	1	-----	7,451	-----	3	6
1,404	1,497	1,217	193	28,055	-----	-----	-----	49	14	1,197,334	96,731	-----	98	-----

## PEORIA COUNTY

Number.	Name of operator.	Post office address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to loco-motives.	Tons sold to local trade.
LOCAL MINES.							
1	Otto Lightbody	Glasford	99,662				99,662
2	Hilltop Mining Co.	Peoria	65,730				65,730
3	Edw. Mohn & Son	Bartonville	39,473				39,473
4	Treasure Coal Co.	Bartonville	27,608				27,608
5	Vicary Coal Co.	Peoria	16,210				16,210
6	Glen A. Keefer	Oak Hill	14,000				14,000
7	Big Hollow Colliery Co.	Peoria	10,363				6,363
8	Neusam Coal Co.	Kingston Mines	10,041				8,541
9	J. J. Jobst	Edwards	9,525				9,525
10	Pocahontas Co-op. Coal Co.	Peoria	8,017				8,017
11	Wm. Cooper	Peoria	6,003				6,003
12	F. P. Schmidt & Sons	Peoria	4,244				4,244
13	Collins & Collear	Peoria	3,616				3,616
14	Clark & Lightbody	Peoria	2,821				2,821
15	Taylor Bros.	Princeville	2,562				2,562
16	James W. Ley	Bartonville	2,551				2,551
17	Cusack Coal Co.	Edwards	2,090				2,090
18	S. R. Stiver	Peoria	2,000				2,000
19	Ax & Burrell	Peoria	1,787				1,787
20	Petri Coal Co.	Peoria	1,658				1,658
21	Walter May	Oak Hill	1,200				1,200
22	Howard Scott	Mapleton	1,000				1,000
23	Wickman Coal Co.	Edwards	1,000				1,000
24	Scardoff & Sons	Glasford	860				860
25	Middle Road Coal Co.	Bartonville	708				708
26	Dawson & Meyers	Oak Hill	640				640
27	Johnson & Snider	Oak Hill	600				600
28	Henry Knaggs	Pottstown	568				568
29	Henry Roberts	Chillicothe	561				561
30	J. Stoughton	Peoria	550				550
31	Lewis Messelmitch	Peoria	500				500
32	Hoper & Martin	Peoria	500				500
33	Ed. Siegel	Oak Hill	400				400
34	Frank Scovel	Pottstown	390				390
35	Hibberd & Sneddon	Peoria	388				388
36	Brady & White	Peoria	364				364
37	Joe Furrner	Brimfield	320				320
38	John Tarvis	Elmwood	300				300
39	Herman Yelm	Laura	280				280
40	Thomas Hunt	Edwards	225				225
41	Nick Closen	Peoria	200				200
42	Slane Coal Co.	Oak Hill	250				250
43	R. C. Crew	Sparland	218				218
44	Swanson Coal Co.	Princeville	165				165
45	Turner & Sons	Edwards	165				165
46	Pleasant Valley Coal Co.	Peoria	100				100
47	Peter Stone	Peoria	50				50
48	Abe Colwell	Sparland	49				49
49	Ed Allen	Peoria	40				40
50	Peter Walck	Peoria	30				30
51	Stear Coal Co.	Hanna City	30				30
52	West Point Coal Co.	Edwards	20				20
Total			342,632				337,132
Total 58 mines			1,636,697	622,697	662,579	1,998	341,022



## SECOND DISTRICT—Concluded.

Disposition of output—tons.		Total employees.	Days of active operation.	Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
Tons consumed at the mine.	All coal not sold including waste.			Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.	Mining machines.	Motors.					
-----	-----	10	250	250	-----	-----	-----	1	-----	53,011	46,651	-----	-----	1
-----	-----	60	198	935	-----	-----	-----	3	-----	65,730	-----	-----	-----	2
-----	-----	55	160	370	-----	-----	-----	2	-----	39,258	215	-----	-----	3
-----	-----	28	280	-----	-----	-----	-----	-----	-----	-----	27,608	-----	-----	4
-----	-----	24	175	1,240	-----	-----	-----	-----	-----	-----	16,210	-----	-----	5
-----	-----	3	150	40	-----	-----	-----	-----	-----	-----	14,000	-----	-----	6
4,000	-----	31	225	-----	-----	-----	-----	1	-----	6,363	4,000	-----	-----	7
1,500	-----	19	200	651	-----	-----	-----	-----	-----	-----	10,041	-----	-----	8
-----	-----	8	250	62	-----	-----	-----	-----	-----	-----	9,525	-----	-----	9
-----	-----	27	114	200	-----	-----	-----	-----	-----	-----	8,017	-----	-----	10
-----	-----	14	170	452	-----	-----	-----	-----	-----	-----	6,003	-----	-----	11
-----	-----	9	198	210	-----	-----	-----	-----	-----	-----	4,244	-----	-----	12
-----	-----	10	126	240	-----	-----	-----	-----	-----	-----	3,616	-----	-----	13
-----	-----	4	295	180	-----	-----	-----	-----	-----	-----	2,821	-----	-----	14
-----	-----	8	200	176	-----	-----	-----	-----	-----	-----	2,562	-----	-----	15
-----	-----	6	150	191	-----	-----	-----	-----	-----	-----	2,551	-----	-----	16
-----	-----	6	121	140	-----	-----	-----	-----	-----	-----	2,090	-----	-----	17
-----	-----	10	140	150	-----	-----	-----	-----	-----	-----	2,000	-----	-----	18
-----	-----	14	70	175	-----	-----	-----	-----	-----	-----	1,787	-----	-----	19
-----	-----	7	300	104	-----	-----	-----	1	-----	1,000	658	-----	-----	20
-----	-----	2	150	100	-----	-----	-----	-----	-----	-----	1,200	-----	-----	21
-----	-----	4	150	50	-----	-----	-----	-----	-----	-----	1,000	-----	-----	22
-----	-----	2	90	90	-----	-----	-----	-----	-----	-----	1,000	-----	-----	23
-----	-----	4	160	90	-----	-----	-----	-----	-----	-----	860	-----	-----	24
-----	-----	9	97	66	-----	-----	-----	-----	-----	-----	708	-----	-----	25
-----	-----	2	120	54	-----	-----	-----	-----	-----	-----	640	-----	-----	26
-----	-----	3	80	40	-----	-----	-----	-----	-----	-----	600	-----	-----	27
-----	-----	3	100	40	-----	-----	-----	-----	-----	-----	568	-----	-----	28
-----	-----	3	150	78	-----	-----	-----	-----	-----	-----	561	-----	-----	29
-----	-----	2	90	25	-----	-----	-----	-----	-----	-----	550	-----	-----	30
-----	-----	3	100	35	-----	-----	-----	-----	-----	-----	500	-----	-----	31
-----	-----	3	75	35	-----	-----	-----	-----	-----	-----	500	-----	-----	32
-----	-----	3	105	100	-----	-----	-----	-----	-----	-----	400	-----	-----	33
-----	-----	2	75	39	-----	-----	-----	-----	-----	-----	350	-----	-----	34
-----	-----	5	69	36	-----	-----	-----	-----	-----	-----	388	-----	-----	35
-----	-----	3	72	27	-----	-----	-----	-----	-----	-----	364	-----	-----	36
-----	-----	1	150	40	-----	-----	-----	-----	-----	-----	320	-----	-----	37
-----	-----	1	250	-----	-----	-----	-----	-----	-----	-----	300	-----	-----	38
-----	-----	2	100	-----	-----	-----	-----	-----	-----	-----	280	-----	-----	39
-----	-----	1	140	14	-----	-----	-----	-----	-----	-----	225	-----	-----	40
-----	-----	1	100	16	-----	-----	-----	-----	-----	-----	200	-----	-----	41
-----	-----	2	40	12	-----	-----	-----	-----	-----	-----	250	-----	-----	42
-----	-----	1	100	21	-----	-----	-----	-----	-----	-----	218	-----	-----	43
-----	-----	2	60	16	-----	-----	-----	-----	-----	-----	165	-----	-----	44
-----	-----	2	55	12	-----	-----	-----	-----	-----	-----	165	-----	-----	45
-----	-----	3	75	8	-----	-----	-----	-----	-----	-----	100	-----	-----	46
-----	-----	1	20	4	-----	-----	-----	-----	-----	-----	50	-----	-----	47
-----	-----	1	25	5	-----	-----	-----	-----	-----	-----	49	-----	-----	48
-----	-----	2	30	4	-----	-----	-----	-----	-----	-----	40	-----	-----	49
-----	-----	1	20	3	-----	-----	-----	-----	-----	-----	30	-----	-----	50
-----	-----	1	10	3	-----	-----	-----	-----	-----	-----	30	-----	-----	51
-----	-----	1	3	2	-----	-----	-----	-----	-----	-----	20	-----	-----	52
5,500	-----	429	127	6,831	-----	-----	-----	8	-----	165,362	177,270	-----	-----	-----
6,904	1,497	1,646	134	34,886	-----	-----	-----	57	14	1,362,696	274,001	-----	98	-----

## STARK COUNTY

Number.	Name of operator.	Post office address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to loco-motives.	Tons sold to local trade.
	LOCAL MINES.						
1	Chas. Bensyl.	Wyoming	2,228				2,228
2	Downing Bros	Caselon	2,136				2,136
3	W. J. Duncan	Neponset	1,900				1,900
4	Y. A. Ohman	Neponset	1,320				1,320
5	Jake McDowatt	Wyoming	1,250				1,250
6	Henry Stunn	Wyoming	1,140				1,140
7	Story & Thurston	Wyoming	800				800
8	Wm. Tomm	Neponset	793				793
9	Cotton & Wilson	Toulon	500				500
10	Geo. Dillion	Wyoming	130				130
	Total		12,197				12,197

## TAZEWELL COUNTY

SHIPPING MINES.							
1	Crescent Coal Co.....	Peoria.....	199,179	6,051	191,917		710
2	Lake Erie Mining Co.....	Peoria.....	181,671	135,159	2,621		43,891
3	Ubben Coal Co.....	Pekin.....	41,797	13,997			27,460
Total.....			422,647	155,207	194,538		72,061
LOCAL MINES.							
1	Manhattan Coal & M. Co....	East Peoria.....	55,457				55,257
2	David Grant Coal Co.....	Pekin.....	11,021				10,000
3	Lea Bros.....	Peoria.....	10,604				10,404
4	Coal Creek Coal Co.....	East Peoria.....	9,751				
Total.....			86,833				75,661
Total 7 mines.....			509,480	155,207	194,538		147,722

## WOODFORD COUNTY

SHIPPING MINES.							
1	W. G. Sutton.....	Minonk.....	53,024	26,015			19,509
2	Roanoke Coal & Tile Co....	Roanoke.....	11,311	4,377	283		5,005
Total.....			64,335	30,392	283		24,514

## SECOND DISTRICT.

Disposition of output—tons.		Total employees.	Days of active operation.	Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
Tons consumed at the mine.	All coal not sold including waste.			Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permisibles—pounds.	Mining machines.	Motors.					
-----	-----	8	160	135	-----	-----	-----	-----	-----	-----	2,228	-----	-----	1
-----	-----	9	75	-----	-----	-----	-----	-----	-----	-----	2,136	-----	-----	2
-----	-----	200	45	-----	-----	-----	-----	-----	-----	-----	1,900	-----	-----	3
-----	-----	120	60	-----	-----	-----	-----	-----	-----	-----	1,320	-----	-----	4
-----	-----	5	6	-----	-----	-----	-----	-----	-----	-----	1,250	-----	-----	5
-----	-----	126	84	-----	-----	-----	-----	-----	-----	-----	1,140	-----	-----	6
-----	-----	160	21	-----	-----	-----	-----	-----	-----	-----	800	-----	-----	7
-----	-----	168	-----	-----	-----	-----	-----	-----	-----	-----	793	-----	-----	8
-----	-----	3	312	30	-----	-----	-----	-----	-----	-----	500	-----	-----	9
-----	-----	3	120	15	-----	-----	-----	-----	-----	-----	130	-----	-----	10
-----	-----	54	162	396	-----	-----	-----	-----	-----	-----	12,197	-----	-----	-----

## SECOND DISTRICT.

240	261	198	216	2,598	-----	-----	-----	10	3	199,179	-----	-----	12	1
-----	-----	153	247	1,796	2,675	-----	-----	10	4	181,671	-----	-----	10	2
340	-----	60	190	485	-----	-----	-----	4	1	41,797	-----	-----	4	3
580	261	411	218	4,879	2,675	-----	-----	24	8	422,647	-----	-----	26	-----
200	-----	71	290	1,005	-----	-----	-----	2	-----	55,457	-----	-----	-----	1
1,021	-----	7	215	169	-----	-----	-----	2	-----	11,021	-----	-----	-----	2
200	-----	9	210	132	-----	-----	-----	1	-----	10,604	-----	-----	-----	3
9,697	54	30	101	217	-----	-----	-----	1	-----	9,751	-----	-----	-----	4
11,118	54	117	204	1,523	-----	-----	-----	6	-----	86,833	-----	-----	-----	-----
11,698	315	528	210	6,402	2,675	-----	-----	30	8	509,480	-----	-----	26	-----

## SECOND DISTRICT.

3,500	4,000	153	174	-----	-----	-----	-----	2	-----	53,024	-----	10	1
1,646	-----	74	89	-----	-----	-----	-----	1	-----	11,311	-----	12	2
5,146	4,000	227	131	-----	-----	-----	-----	3	-----	65,335	-----	22	-----

## SHIPPING MINES, RECAPITULATION

County.	Number of mines.	Total tons mined.	Disposition of output in tons.					
			Loaded on cars for shipment.	Sold to railroad companies.	Supplied to locomotives.	Sold to local trade.	Used at the mine.	All coal not sold, including waste.
Logan.....	1	137,234	28,983	16,256	19,776	65,367	6,592	260
Peoria.....	6	1,294,065	622,697	662,579	1,998	3,890	1,404	1,497
Tazewell.....	3	422,647	155,207	194,538	-----	72,061	580	261
Woodford.....	2	64,335	30,392	283	-----	24,514	5,146	4,000
Total.....	12	1,918,281	837,279	873,656	21,774	165,832	13,722	6,018

## LOCAL MINES, RECAPITULATION

Marshall.....	18	13,205	-----	-----	-----	13,205	-----	-----
Peoria.....	52	342,632	-----	-----	-----	337,132	5,500	-----
Stark.....	10	12,197	-----	-----	-----	12,197	-----	-----
Tazewell.....	4	86,833	-----	-----	-----	75,661	11,118	54
Total.....	84	454,867	-----	-----	-----	438,195	16,618	54

## RECAPITULATION, ALL MINES

Logan.....	1	137,234	28,983	16,256	19,776	65,367	6,592	260
Marshall.....	18	13,205	-----	-----	-----	13,205	-----	-----
Peoria.....	58	1,636,697	622,697	662,579	1,998	341,022	6,904	1,497
Stark.....	10	12,197	-----	-----	-----	12,197	-----	-----
Tazewell.....	7	509,480	155,207	194,538	-----	147,722	11,698	315
Woodford.....	2	201,569	30,392	283	-----	24,514	5,146	4,000
Total.....	96	2,373,148	837,279	873,656	21,774	604,027	30,340	6,072

## BY COUNTIES, SECOND DISTRICT.

Total employees.	Days operated.	Explosives used for blasting coal.					Number of mining machines used.	Number of motors in use.	Tons mined by—			Number of animals underground.
		Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissible—pounds.				Machine.	Hand.	Stripping.	
270	260	9,778	-----	-----	-----	-----	2	-----	-----	137,234	-----	19
1,217	193	28,055	-----	-----	-----	49	14	1,197,334	-----	96,731	-----	98
411	218	4,879	2,675	-----	-----	24	8	422,647	-----	-----	-----	26
227	131	-----	-----	-----	-----	-----	3	-----	-----	64,335	-----	22
2,125	194	42,712	2,675	-----	-----	73	27	1,619,981	-----	298,300	-----	165

## BY COUNTIES, SECOND DISTRICT.

65	105	1,051	-----	-----	-----	-----	-----	-----	13,205	-----	-----
429	127	6,831	-----	-----	-----	8	-----	165,362	177,270	-----	-----
54	162	396	-----	-----	-----	-----	-----	-----	12,197	-----	-----
117	179	1,523	-----	-----	-----	6	-----	86,833	-----	-----	-----
665	130	9,801	-----	-----	-----	14	-----	252,195	202,672	-----	-----

## BY COUNTIES, SECOND DISTRICT.

270	260	9,778	-----	-----	-----	-----	2	-----	137,234	-----	-----
65	105	1,051	-----	-----	-----	-----	-----	-----	13,205	-----	-----
1,646	134	34,886	-----	-----	-----	57	14	1,362,696	274,001	-----	-----
54	162	396	-----	-----	-----	-----	-----	-----	12,197	-----	-----
528	196	6,402	2,675	-----	-----	30	8	509,480	-----	-----	-----
227	131	-----	-----	-----	-----	-----	3	-----	64,335	-----	-----
2,790	138	52,513	2,675	-----	-----	87	27	1,872,176	500,972	-----	165

### THIRD DISTRICT

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*Hon. John G. Millhouse, Director,  
Department of Mines and Minerals,  
Springfield, Illinois.*

SIR: I have the honor of submitting to you the report of this the Third Inspection District, comprising the coal producing counties of Cass, Fulton, Hancock, Knox, McDonough, Schuyler and Warren, for the year ended December 31, 1929.

The following is a summary of the items shown in this report:

Number of counties producing coal.....	7
Number of shipping mines.....	9
Number of local mines.....	215
Total number of employees.....	1,914
Total tons of coal produced.....	1,991,012
Days operated, shipping mines, average.....	167
Days operated, local mines, average.....	125
Number of fatal accidents.....	3
Number of non-fatal accidents.....	124
Number of employees to each fatal accident.....	638
Number of employees to each non-fatal accident.....	15
Tons of coal produced to each fatal accident.....	663,671
Tons of coal produced to each non-fatal accident.....	16,057
Ratio of fatal accidents per 1,000 employed.....	1.6
Ratio of non-fatal accidents per 1,000 employed.....	64.8

#### NEW MINES.

Truax-Traer Coal Company has opened a strip mine at St. David.

#### ABANDONED MINES.

Tony Tomliovich, Breeds Coal Company, Cuba Coal Company, and Saline County Coal Corporation No. 22, have been abandoned.

#### MINES OPENED 1921-1929.

Fulton County:

G & L Coal Company, Breeds.  
Putnam Coal Company, Breeds.  
Tony Tomliovich, Breeds.  
Middleton Coal Co., Norris.  
Breeds Coal Company, Canton.  
United Electric Coal Company, Cuba.  
Truax-Traer Coal Company, St. David.

Knox County:

Galesburg Coal Company, Galesburg.

## MINES ABANDONED 1921-1929.

## Fulton County:

Big Creek Coal Company No. 4, St. David.  
 Cripple Creek Coal Company, Bryant.  
 Eagle Mining Company, Canton.  
 Monument Coal Company, Brereton.  
 Star Coal Company No. 1, Fiatt.  
 Star Coal Company Nos. 2 and 3, Cuba.  
 Bix Six Coal Company, Fairview.  
 Eclipse Coal Company, Astoria.  
 Farmington Coal Company, Farmington.  
 Frankovich Bros., Fairview.  
 Spoon River Coal Company, Ellisville.  
 G & L Coal Company, Breeds.  
 Maplewood Coal Company, Farmington.  
 Middleton Coal Company No. 1, Canton.  
 Middleton Coal Company No. 2, Norris.  
 Shubert & Long Coal Company, Fairview.  
 Silver Creek Col. Co., Farmington.  
 Simmons Coal Company, Canton.  
 Tony Tomliovich, Canton.  
 Breeds Coal Company, Canton.  
 Cuba Coal Company, Cuba.  
 Saline Co. Coal Corp. No. 22, St. David.  
 Neil Baxter, Canton.  
 Quigley Mining Company, Canton.  
 Westerly Bros. Coal Company, Canton.

Mines in 1920 .....	27
Mines opened 1921-1929 .....	8
Mines abandoned 1921-1929 .....	26
Mines in 1921 .....	9
Mines operated 1929 .....	9

## FATAL ACCIDENTS.

January 28, William H. Moore, miner, age 55 years, married, died from injuries sustained by a fall of rock on January 16, in M & C Coal Company's mine. He leaves a widow and three children.

February 26, Phillip Dubois, miner, age 57 years, married, died from injuries received three days previous in Galesburg Mining Company's mine by a fall of coal. He leaves a widow and one child.

August 9, James Williams, miner, age 52 years, married, was run over by railway cars and killed at the Bennett Coal Company's mine. He leaves a widow.

Respectfully submitted,

THOMAS P. BACK,  
*Inspector.*

## FATAL CASUALTIES, THIRD DISTRICT, 1929.

Date, 1929.	Name.	Age.	Occupation.	Residence.	Name of operator of mine.	Num- ber of letter of mine.	Married.	Single.	Widow.	Children.	Dependents.	Cause of death.
Jan. 28	W. H. Moore.	55	Miner.	Rushville.	M. & C. Coal Co.	-----	1	-----	1	3	4	Falling rock.
Feb. 26	Philip Dubois.	57	Miner.	Galesburg.	Galesburg Mining Co.	-----	1	-----	1	1	2	Falling coal.
Aug. 9	James Williams.	52	Miner.	Canton.	Bennett Coal Co.	-----	1	-----	1	-----	1	Railway car.



## NON-FATAL ACCIDENTS, THIRD DISTRICT.

Name of operator.	Number injured.	Not returned.	Days lost by men returned.		Cause of injury.	Number injured.	Not returned.	Days lost by men returned.	
			Total.	Average.				Total.	Average.
Baird Bros.	2	1	44	44	Fall of person.	10	1	222	25
Baird & Reynolds.	1	1	24	24	Falls of roof and sides.	9	1	206	26
Blakeley Coal Co.	1	1	21	21	Haulage.	16	2	329	23
Canton Coal Co.	28	3	554	22	Lifting.	21	1	451	23
Canton Tie Co.	3	3	60	22	Machinery.	3	1	76	38
Clearview Mining Co.	3	3	70	25	Struck by objects.	54	2	1,282	25
Dortheal Coal Co., No. 2	16	9	388	24	Miscellaneous.	7	1	111	16
Dortheal Coal Co., No. 3	19	3	284	12	Not stated.	4	1	47	16
Galesburg Coal Co.	32	3	756	26					
Illinois Colliery Co.	12	2	175	15					
Knoxville Mining Co.	3	2	65	32					
Long & Albett.	3	1	39	13					
Levell, F. J.	3	1	69	34					
Putnam Coal Co.	1	1	56	56					
Royal Coal Co.	3	1	28	9					
Richardson, A. L.	1	1	10	10					
Truax-Truax Coal Co.	2	1	43	43					
United Electric Coal Co.	7	1	240	34					
Walsh, John.	13	1	13	13					
Westerly Bros.	1	1	33	33					
Total.	124	9	2,724	24		124	9	2,724	24

## FULTON COUNTY

Number.	Name of operator.	Post office address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to local motives.	Tons sold to local trade.
SHIPPING MINES.							
1	Canton Coal Co.	Canton	358,647	108,646	246,110		941
2	United Electric Coal Co.	Cuba	675,479	333,652	276,562		
3	Dorthel Coal Co., No. 2	Farmington	274,204	273,559			
4	Truax Traer Coal Co.	St. David	80,280	44,154	36,126		
5	Dorthel Coal Co., No. 3	Farmington	65,904	65,057			419
6	Illinois Colliery	Farmington	58,657	27,214	13,420		18,023
7	Rawalt Coal Co.	Canton	42,339	41,217			1,022
8	Putman Coal Co.	Breeds	2,707	2,707			
Total.			1,558,217	896,206	572,218		20,405
LOCAL MINES.							
1	Blakley Coal Co.	Canton	27,884				27,171
2	Clearview Mining Co.	Canton	23,941				23,852
3	Westerby Bros.	Farmington	10,915				8,435
4	Pschirrer & Sons Coal Co.	Canton	10,064				9,764
5	Bennett Coal Co.	Canton	6,077				5,763
6	Long & Alcott	Fairview	5,349				5,349
7	Jerry Yocum	Lewiston	4,410				4,300
8	F. J. Lovell	Ipava	4,050				4,050
9	R. J. Hinbar	Canton	3,810				3,445
10	A. L. Hamm	Marietta	3,100				3,090
11	Thompson Bros.	Canton	2,847				2,847
12	Chas. Bedwell	Fairview	2,800				2,782
13	John Walsh	Cuba	2,743				2,743
14	Stevenson Bros.	Fiatt	2,725				2,725
15	T. E. Wilson	Summum	2,550				2,550
16	Bob Coal Mine.	Astoria	2,480				1,680
17	Lindquist & Fleming	Lewiston	2,349				2,349
18	David Thomas	Astoria	2,270				2,270
19	John A. Haynes	Canton	2,080				2,080
20	Chapin & Benett	Bryant	2,400				2,000
21	E. & W. Coal Co.	Astoria	1,898				1,898
22	Orion Coal Co.	Canton	1,800				1,800
23	Bults & Shadnlet	Bryant	1,662				1,662
24	Evans & Moore	Cuba	1,622				1,622
25	Jennings & Gilman	Cuba	1,600				1,600
26	Egan Bros. & Co.	Canton	1,506				1,506
27	John Cimo	Lewiston	1,500				1,500
28	Albert Zabarac	St. David	1,450				1,450
29	Wesley Ford	Fairview	1,200				1,200
30	John Frasco	Canton	1,000				1,000
31	Asa Boach	Avon	1,000				920
32	Roy Post	Bryant	970				970
33	Tony Kauzlarich	Farmington	960				950
34	R. A. Ketcham	Canton	910				900
35	Pieton & Sons	Canton	900				900
36	Bennett Coal Co.	Canton	896				856
37	Ross Wilcoxen	Canton	880				880
38	Andrew Webber	Table Grove	875				875
39	Chas. Danner	Ipava	800				800
40	Baker & Lamb	Canton	800				800
41	T. D. Baker	Lewiston	800				800
42	Engle Bros.	Cuba	780				780
43	L. E. Johnson	Canton	700				700
44	English Bros.	Marietta	695				695
45	Ruttlage & Sons	Marietta	675				675
46	Joe DeFord & Son	Fairview	655				655
47	James Grindle	Cuba	650				650
48	J. Brooke & Co.	Cuba	625				625
49	Wright & Dawson	Breeds	620				620
50	Swarrington & Sons	Cuba	620				620
51	S. Lingenfelter Mine	Cuba	600				600

## THIRD DISTRICT.

Disposition of output—tons.		Total employees.	Days of active operation.	Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
Tons consumed at the mine.	All coal not sold including waste.			Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.	Mining machines.	Motors.					
2,950		285	225	5,203		250		14	5	358,647				1
16,355	48,910	104	271	2,290			1,655					675,479		2
645		249	238	6,675				12		233,162	41,042		20	3
		55	56		12,700							80,280		4
428		117	122	2,551				4	1	41,574	24,330		11	5
		99	165	1,488				2		38,197	20,460		6	6
75	25	95	137	700	5,400	15		3	1	35,617	6,722		8	7
		27	38								2,707		6	8
20,453	48,935	1,031	157	18,907	18,100	265	1,655	35	7	707,197	95,261	755,759	51	9
713		12	283	450				2		27,884				1
89		22	220	300				2		23,941				2
2,480		13	197	755							10,915			3
300		16	190	250				1		10,064				4
314		10	243	531							6,077			5
		10	223	455							5,349			6
110		9	260	150							4,410			7
		8	300	55				1		4,050				8
365		8	240	180							3,810			9
10		7	150	125							3,100			10
		8	280	218							2,847			11
18		8	140	200							2,800			12
		8	147	157							2,743			13
		8	250	225							2,725			14
		7	100	105							2,550			15
800		7	170	63							2,480			16
		6	108	335							2,349			17
		6	98	72							2,270			18
		6	240	97							2,080			19
400		6	180	120							2,400			20
		8	185	100							1,898			21
		2	201	121							1,800			22
		3	200	11							1,662			23
		2	150	75							1,622			24
		2	200	60							1,600			25
		7	76								1,506			26
		5	120	75							1,500			27
		2	210	70							1,450			28
		6	160	60							1,300			29
		6	100	80							1,000			30
80		3	94	82							1,000			31
		2	130	48							970			32
10		4	151	48							960			33
10		2	220	32							910			34
		6	90	54							900			35
40		2	121	74							896			36
		2	126	60							880			37
		5	85	22							875			38
		4	285	85							800			39
		2	125	35							800			40
		2	120	45							800			41
		2	188	39							780			42
		2	130	36							700			43
		3	170								695			44
		5	48	24							675			45
		4	165	40							655			46
		2	200	17							650			47
		4	68	38							625			48
		2	130	30							620			49
		2	160	30								620		50
		1	100	36							600		620	51

Number.	Name of operator.	Post office address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to loco-motives.	Tons sold to local trade.
52	Earel Grosvieh	Havana	570				570
53	Cob. Brooks	Lewistown	530				530
54	Snowden Ford	Cuba	520				520
55	Charles Diltz	Fiatt	500				500
56	Brown & Demasco	Bryant	467				467
57	Davis & Lomkany	Astoria	450				450
58	John W. Brooks	Cuba	450				450
59	E. Atkins	Canton	449				449
60	L. J. Mullhatten	Avon	430				430
61	Planque & McElroy	Canton	427				427
62	Jack Zabrac	Cuba	420				420
63	L. F. Green	Canton	412				412
64	Hart James	Marietta	400				400
65	Brown & Co.	Marietta	375				375
66	J. J. Lowder	Glasford	320				320
67	Abe Bath	St. David	300				300
68	Fitzpatrick Bros	Middle Grove	300				300
69	W. Parks	Bluff City	288				240
70	C. F. Rowden	Cuba	250				250
71	E. Eyeman	Lewistown	250				250
72	Chandler & Vowach	Cuba	241				241
73	Ideal Coal Co.	Canton	240				240
74	Wm. Diltz	Lewistown	240				240
75	Fred Williams	Canton	240				240
76	Isaac Vender	Havana	240				220
77	Arthur Billings	Lewistown	238				238
78	N. Benac	Cuba	221				161
79	Bert Bush	Marietta	203				198
80	Harry Jow	Cuba	200				200
81	N. Smith	Marietta	200				200
82	W. P. Ackerson	Marietta	200				200
83	John Ealey	Marietta	200				200
84	B. Taylor	Glasford	200				197
85	Henibud & Bronson	Ipava	200				200
86	G. Edgerly & Son	Fairview	200				196
87	Carplinger & Johnson	Cuba	185				185
88	Frank Dalost	Canton	182				182
89	Ed. Hodson	Canton	178				169
90	Hagerman & Brown	Fairview	170				170
91	McGrady Miller	Breeds	160				160
92	Hagel Coal Co.	Fairview	121				121
93	Arthur Malagan	Glasford	120				120
94	Frank Juraco	Canton	116				116
95	Ruben Atkena	St. David	114				114
96	Ghigtieri & Ferri	Bryant	111				111
97	B. C. Milton	Avon	100				100
98	Amos Derry	Ipava	100				100
99	L. A. Ratcliff	Fairview	100				100
100	H. Datton	Fairview	90				46
101	Mont Braden	Lewiston	90				90
102	F. G. Mathews	Cuba	90				90
103	John Homan	Glasford	88				88
104	Jacob Wages	Canton	88				88
105	Merchant & Porter	Cuba	85				85
106	G. B. Vice	Cuba	85				85
107	C. L. Walck	Farmington	82				82
108	E. E. Sealf	Lewiston	75				75
109	J. Stufflebeam	Lewiston	70				65
110	Dell Caplinger	Cuba	65				65
111	C. C. Reneau	Marietta	60				60
112	Fred Neuneker	Marietta	60				60
113	John Wagstaff	Marietta	60				60
114	J. A. Pescant	Fairview	55				55
115	Wiese & Sims	Smithfield	50				50
116	G. Sneider	Avon	40				30

## THIRD DISTRICT—Continued.

Disposition of output—tons.		Total employees.	Days of active operation.	Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
Tons consumed at the mine.	All coal not sold including waste.			Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Pernissibles—pounds.	Mining machines.	Motors.					
		3	208								570			52
		2	120	70							530			53
		2	175	26							520			54
		2	90	30							500			55
		3	128	26							467			55
		3	150	24							450			56
		1	150	25							450			57
		2	195	23							449			58
		3	160	14							430			59
		2	158	29							427			60
		6	49	24							420			61
		3	120	30							412			62
		2	150								400			63
		3	70								375			64
		1	200	2							320			65
		3	80	20							300			66
		2	104								300			67
48		2	95	21							288			68
		2	60	14							250			69
		2	65								250			70
		2	66	9							241			71
		3	60								240			72
		2	70	12							240			73
		2	100	18							240			74
20		2	100	15							240			75
		1	104	23							238			76
60		1	110	12							221			77
5		2	150								203			78
		2	20											79
		2	45									200		80
		2	60								200			81
		3	60								200			82
3		2	100	13							200			83
		2	150	25							200			84
4		2	150	14							200			85
		2	37	10							185			86
		1	70	10							182			87
9		1	67	11							178			88
		2	150	5							170			89
		1	75	10							160			90
		3	65	13							160			91
		1	10	3							121			92
		1	90	12								120		93
		1	90	7							116			94
		3	30	12							114			95
		1	20	10							111			96
		2	55								100			97
		2	90	16							100			98
44		2	30	8							100			99
		2	30								90			100
		1	60	1							90			101
		2	12	4								90		102
		1	30	5							88			103
		2	40	7							88			104
		2	40	4							85			105
		1	50	3							85			106
		2	40	5							82			107
5		1	30	5							75			108
		2	30	3							70			109
		2	15	6							65			110
		1	90								60			111
		1	100								60			112
		1	20	3							60			113
		2	20								55			114
10		2	20								50			115
		2	15								40			116

## FULTON COUNTY

Number.	Name of operator.	Post office address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to loco-motives.	Tons sold to local trade.
117	Henry King.....	Lewistown.....	28	-----	-----	-----	28
118	J. T. Strode.....	Canton.....	26	-----	-----	-----	26
119	Flyn & Co.....	Canton.....	20	-----	-----	-----	20
	Total.....	-----	170,928	-----	-----	-----	164,981
	Total 127 mines.....	-----	1,729,145	896,206	572,218	-----	185,386

## CASS COUNTY

LOCAL MINES.						
1	Jacob Stacken.....	Beardstown.....	300	-----	-----	300
2	J. H. Miller.....	Chandlerville.....	200	-----	-----	200
	Total.....	-----	500	-----	-----	500

## HANCOCK COUNTY

LOCAL MINES.						
1	C. H. Ellis & Son.....	Augusta.....	3,725	-----	-----	3,725
2	E. Merideth.....	Augusta.....	1,146	-----	-----	1,146
3	Bett & Kruse.....	Brighton.....	800	-----	-----	794
4	C. Ebben & Son.....	Augusta.....	270	-----	-----	270
	Total.....	-----	5,941	-----	-----	5,935

## THIRD DISTRICT—Concluded.

Disposition of output—tons.		Total employees.	Days of active operation.	Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
Tons consumed at the mine.	All coal not sold including waste			Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.	Mining machines.	Motors.					
-----	-----	1	25	2	-----	-----	-----	-----	-----	-----	28	-----	-----	117
-----	-----	2	6	2	-----	-----	-----	-----	-----	-----	26	-----	-----	118
-----	-----	3	18	2	-----	-----	-----	-----	-----	-----	20	-----	-----	119
5,947	-----	417	117	7,024	-----	-----	-----	6	-----	65,939	103,959	1,030	-----	-----
26,400	48,935	1,448	120	25,931	18,100	265	1,655	41	7	773,136	199,220	756,789	51	-----

## THIRD DISTRICT.

-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	1	130	-----	-----	-----	-----	-----	-----	-----	300	-----	-----	1
-----	-----	3	24	20	-----	-----	-----	-----	-----	-----	200	-----	-----	2
-----	-----	4	77	20	-----	-----	-----	-----	-----	-----	500	-----	-----	-----

## THIRD DISTRICT.

-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	3	300	-----	-----	-----	-----	-----	-----	-----	3,725	-----	-----	1
-----	-----	5	156	100	-----	-----	-----	-----	-----	-----	1,146	-----	-----	2
6	-----	3	200	6	-----	-----	-----	-----	-----	-----	800	-----	-----	3
-----	-----	4	75	-----	-----	-----	-----	-----	-----	-----	270	-----	-----	4
6	-----	15	183	106	-----	-----	-----	-----	-----	-----	5,941	-----	-----	-----

## KNOX COUNTY

Number.	Name of operator.	Post office address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to loco-motives.	Tons sold to local trade.
SHIPPING MINE.							
1	Galesburg Mining Co.	Galesburg	191,821	19,862	151,171		19,244
LOCAL MINES.							
1	Knoxville Mining Co.	Knoxville	5,637				5,500
2	Bowman Coal Co.	Yates City	4,872				4,500
3	A. Staughton	Middle Grove	2,500				2,400
4	Wm. Mertz	Maquon	2,052				2,052
5	Sorense Foster	Middle Grove	1,695				1,695
6	L. Holford	Maquon	1,600				1,600
7	Wright Coal Co.	Maquon	1,479				1,479
8	A. D. Morgan	Oneida	769				769
9	Horkstrom Bros.	Victoria	712				712
10	Will Windman	Victoria	540				540
11	Chas. Johnson	Oneida	500				500
12	Albert Peterson	Victoria	360				360
13	B. Keener	Maquon	339				339
14	Eric Storm	Victoria	312				312
15	Victor H. Smith	Maquon	300				300
16	Hubbell & Morse	Middle Grove	280				280
17	Alfred Boostrom	Oneida	240				240
18	A. O. McNaught	Victoria	220				220
19	Nashlund & Savage	Victoria	218				218
20	William Charnock	Knoxville	200				200
21	G. W. Gale	Victoria	200				200
22	Henry Strom	Victoria	144				144
23	J. B. Morse	Maquon	140				140
24	C. F. Bangston	Wataga	130				130
25	G. W. Howard	Victoria	100				100
26	Henry Larson	Wataga	100				100
27	Albert Peterson	Wataga	100				100
28	Chas. Linn	Victoria	73				73
29	Ben Chasey	Abingdon	72				72
30	James Colwell	Abingdon	71				71
31	Andrew Pierson	Wataga	70				70
32	L. V. Pointer	Abingdon	40				40
Total			26,065				25,456
Total 33 mines			217,886	19,862	151,171		44,700



## THIRD DISTRICT.

Disposition of output—tons.		Total employees.	Days of active operation.	Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
Tons consumed at the mine.	All coal not sold including waste.			Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.	Mining machines.	Motors.					
735	809	182	254	9,592		600	3,550	5	4	86,070	105,751		20	1
137		14	150	350							5,637			1
372		8	200	300							4,872			2
100		6	200	90							2,500			3
		3	145	172							2,052			4
		2	190	101							1,695			5
		4	150	200							1,600			6
		3	225	140							1,479			7
		5	140								769			8
		3	200								712			9
		5	130								540			10
		2	300								500			11
		2	120								360			12
		3	130	33							339			13
		2	104								312			14
		2	100	35							300			15
		2	140	21							280			16
		5	90								240			17
		3	160								220			18
		7	122	5							218			19
		1	100								200			20
		4	60								200			21
		1	150	1							144			22
		2	100	9							140			23
		2	100								130			24
		2	60	3							100			25
		2	90								100			26
		1	90								100			27
		2	55								73			28
		1	100									72		29
		3	30								71			30
		1	100								70			31
		5	30								40			32
609		108	127	1,460							25,993		72	
1,344	809	290	131	11,052		600	3,550	5	4	86,070	131,744		72	20

## MCDONOUGH COUNTY

Number.	Name of operator.	Post office address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to loco-motives.	Tons sold to local trade.
LOCAL MINES.							
1	Baird & Reynolds	Colchester	2,599				2,599
2	W. G. Benson	Colchester	1,170				1,170
3	Gates Fire Clay Co.	Colchester	709				709
4	Elmer W. Miller	Macomb	443				443
5	John Nelson & Co.	Colchester	400				400
6	Elmer Swanson	Colchester	284				284
7	T. C. Hocker	Colchester	278				278
8	McClure, Waddell & Burton	Colchester	275				275
9	Curry Teel	Macomb	220				220
10	Frisbie & Sons	Fandon	200				200
11	Link Willeys	Macomb	200				200
12	Allan Mourning	Colchester	200				200
13	Greenbank & Robinson	Colchester	193				193
14	Aaron Tul	Fandon	192				192
15	Herbert Wayland	Colchester	180				180
16	S. E. McCord	Colchester	168				168
17	Frank Murray	Colchester	160				160
18	O. F. Foster	Macomb	120				120
19	Frank Fox	Colchester	120				120
20	James Wayland	Colchester	120				120
21	Ames Atkinson	Colchester	119				119
22	Ed. Zinn	Industry	100				100
23	Bert Creasey	Colchester	100				100
24	Ray Clark	Macomb	92				92
25	Chas. Norris	Macomb	76				76
26	J. W. Harpe & Co.	Colchester	68				68
27	Arthur Vawter	Colchester	64				64
28	Chas. Porter & Sons	Colchester	62				62
29	James W. Thompson	Birmingham	60				60
30	George E. Tul	Industry	50				50
31	Thomas Stoker	Macomb	32				32
Total			9,054				9,054

## SCHUYLER COUNTY

LOCAL MINES.							
1	Marine & Lewis	Rushville	6,158				6,158
2	McCormick & Sons	Rushville	4,050				4,050
3	Wheelhouse & Connell	Rushville	3,254				3,254
4	Hendricks & Morgan	Frederick	2,000				2,000
5	Ora Wheeler & Sons	Rushville	1,764				1,764
6	R. C. McLeod	Littleton	1,466				1,466
7	Morrell & Beebe	Rushville	1,180				1,180
8	Bert M. Cantz	Birmingham	600				600
9	Earl Kuhn	Camden	450				450
10	Clyde Sprinkle	Littleton	400				400
11	Dan Clarke	Rushville	350				350
12	Meredith & Sons	Littleton	312				312
13	E. E. Rinnig	Frederick	300				300
14	Charles Yaaps	Ray	300				300
15	Lewis Lambert	Huntsville	195				195
16	B. H. Young	Ray	150				150
17	J. F. Sherlin	Huntsville	120				120
18	Joseph T. Poole	Browning	70				70
19	Elmer Gex	Littleton	50				50
20	Leslie Sipes	Ray	20				20
Total			23,189				23,189

## THIRD DISTRICT.

Disposition of output—tons.		Total employees.	Days of active operation.	Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
Tons consumed at the mine.	All coal not sold including waste.			Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.	Mining machines.	Motors.					
-----	-----	11	258	-----	-----	-----	-----	-----	-----	-----	2,599	-----	-----	1
-----	-----	3	210	-----	-----	-----	-----	-----	-----	-----	1,170	-----	-----	2
-----	-----	10	200	-----	-----	-----	-----	-----	-----	-----	709	-----	-----	3
-----	-----	2	158	-----	-----	-----	-----	-----	-----	-----	443	-----	-----	4
-----	-----	3	150	-----	-----	-----	-----	-----	-----	-----	400	-----	-----	5
-----	-----	2	140	-----	-----	-----	-----	-----	-----	-----	284	-----	-----	6
-----	-----	2	140	-----	-----	-----	-----	-----	-----	-----	278	-----	-----	7
-----	-----	3	125	-----	-----	-----	-----	-----	-----	-----	275	-----	-----	8
-----	-----	2	120	-----	-----	-----	-----	-----	-----	-----	220	-----	-----	9
-----	-----	3	100	-----	-----	-----	-----	-----	-----	-----	200	-----	-----	10
-----	-----	2	125	-----	-----	-----	-----	-----	-----	-----	200	-----	-----	11
-----	-----	1	175	-----	-----	-----	-----	-----	-----	-----	200	-----	-----	12
-----	-----	2	85	-----	-----	-----	-----	-----	-----	-----	193	-----	-----	13
-----	-----	2	120	-----	-----	-----	-----	-----	-----	-----	192	-----	-----	14
-----	-----	1	170	-----	-----	-----	-----	-----	-----	-----	180	-----	-----	15
-----	-----	2	200	-----	-----	-----	-----	-----	-----	-----	168	-----	-----	16
-----	-----	1	160	-----	-----	-----	-----	-----	-----	-----	160	-----	-----	17
-----	-----	2	70	-----	-----	-----	-----	-----	-----	-----	120	-----	-----	18
-----	-----	1	90	-----	-----	-----	-----	-----	-----	-----	120	-----	-----	19
-----	-----	1	150	-----	-----	-----	-----	-----	-----	-----	120	-----	-----	20
-----	-----	1	110	-----	-----	-----	-----	-----	-----	-----	119	-----	-----	21
-----	-----	1	200	5	-----	-----	-----	-----	-----	-----	100	-----	-----	22
-----	-----	2	100	-----	-----	-----	-----	-----	-----	-----	100	-----	-----	23
-----	-----	1	110	-----	-----	-----	-----	-----	-----	-----	92	-----	-----	24
-----	-----	1	100	-----	-----	-----	-----	-----	-----	-----	76	-----	-----	25
-----	-----	3	100	-----	-----	-----	-----	-----	-----	-----	68	-----	-----	26
-----	-----	1	50	-----	-----	-----	-----	-----	-----	-----	64	-----	-----	27
-----	-----	2	70	-----	-----	-----	-----	-----	-----	-----	62	-----	-----	28
-----	-----	1	130	-----	-----	-----	-----	-----	-----	-----	60	-----	-----	29
-----	-----	3	100	-----	-----	-----	-----	-----	-----	-----	50	-----	-----	30
-----	-----	1	30	-----	-----	-----	-----	-----	-----	-----	32	-----	-----	31
-----	-----	73	131	5	-----	-----	-----	-----	-----	-----	9,054	-----	-----	.

## THIRD DISTRICT.

-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	11	268	254	116	-----	-----	-----	-----	-----	6,158	-----	-----	1
-----	-----	6	300	280	-----	-----	-----	-----	-----	-----	4,050	-----	-----	2
-----	-----	10	126	217	-----	-----	-----	-----	-----	-----	3,254	-----	-----	3
-----	-----	2	300	100	-----	-----	-----	-----	-----	-----	2,000	-----	-----	4
-----	-----	6	160	65	-----	-----	-----	-----	-----	-----	1,764	-----	-----	5
-----	-----	4	300	61	-----	-----	-----	-----	-----	-----	1,466	-----	-----	6
-----	-----	6	243	72	-----	-----	-----	-----	-----	-----	1,180	-----	-----	7
-----	-----	3	130	-----	-----	-----	-----	-----	-----	-----	600	-----	-----	8
-----	-----	5	100	-----	-----	-----	-----	-----	-----	-----	450	-----	-----	9
-----	-----	3	150	40	-----	-----	-----	-----	-----	-----	400	-----	-----	10
-----	-----	3	100	30	-----	-----	-----	-----	-----	-----	350	-----	-----	11
-----	-----	3	180	-----	-----	-----	-----	-----	-----	-----	312	-----	-----	12
-----	-----	2	100	30	-----	-----	-----	-----	-----	-----	300	-----	-----	13
-----	-----	3	150	-----	-----	-----	-----	-----	-----	-----	300	-----	-----	14
-----	-----	1	180	-----	-----	-----	-----	-----	-----	-----	195	-----	-----	15
-----	-----	2	30	1	-----	-----	-----	-----	-----	-----	150	-----	-----	16
-----	-----	1	180	-----	-----	-----	-----	-----	-----	-----	120	-----	-----	17
-----	-----	1	43	5	-----	-----	-----	-----	-----	-----	70	-----	-----	18
-----	-----	1	60	-----	-----	-----	-----	-----	-----	-----	50	-----	-----	19
-----	-----	1	20	-----	-----	-----	-----	-----	-----	-----	20	-----	-----	20
-----	-----	74	156	1,155	116	-----	-----	-----	-----	-----	23,189	-----	-----	-----

## WARREN COUNTY

Number.	Name of operator.	Post office address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to loco-motives.	Tons sold to local trade.
LOCAL MINES.							
1	C. A. Granger	Gerlaw	2,440				2,440
2	E. J. Bailey	Gerlaw	1,002				1,002
3	Alfred Manuel	Roseville	968				968
4	Wm. Caldwell	Avon	480				480
5	Guy Clayton	Avon	272				272
6	Roy Richardson	Alexis	105				105
7	H. E. Bonney	Abingdon	30				30
	Total		5,297				5,297

## SHIPPING MINES, RECAPITULATION

County.	Number of mines.	Total tons mined.	Disposition of output in tons.					
			Loaded on cars for ship- ment.	Sold to railroad com- panies.	Sup- plied to loco- motives.	Sold to local trade.	Used at the mine.	All coal not sold, including waste.
Fulton.....	8	1,558,217	896,206	572,218	-----	20,405	20,453	48,935
Knox.....	1	191,821	19,862	151,171	-----	19,244	735	809
Total.....	9	1,750,038	916,068	723,389	-----	39,649	21,188	49,744

## LOCAL MINES, RECAPITULATION

Fulton	119	170,928				164,981	5,947	
Cass	2	500				500		
Hancock	4	5,941				5,935	6	
Knox	32	26,065				25,456	609	
McDonough	31	9,054				9,054		
Schuyler	20	23,189				23,189		
Warren	7	5,297				5,297		
Total	215	240,974				234,412	6,562	

## RECAPITULATION, ALL MINES

Fulton	127	1,729,145	896,206	572,218		185,386	26,400	48,935
Cass	2	500				500		
Hancock	4	5,941				5,935	6	
Knox	33	217,886	19,862	151,171		44,700	1,344	809
McDonough	31	9,054				9,054		
Schuyler	20	23,189				23,189		
Warren	7	5,297				5,297		
Total	224	1,991,012	916,068	723,389		274,061	27,750	49,744

## THIRD DISTRICT.

Disposition of output—tons.		Total employees.	Days of active operation.	Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
Tons consumed at the mine.	All coal not sold including waste.			Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.	Mining machines.	Motors.					
-----	-----	9	148	200	-----	-----	-----	-----	-----	-----	2,440	-----	-----	1
-----	-----	2	166	110	-----	-----	-----	-----	-----	-----	1,002	-----	-----	2
-----	-----	5	142	-----	-----	-----	-----	-----	-----	-----	968	-----	-----	3
-----	-----	2	120	-----	-----	-----	-----	-----	-----	-----	480	-----	-----	4
-----	-----	2	120	-----	-----	-----	-----	-----	-----	-----	272	-----	-----	5
-----	-----	3	20	6	-----	-----	-----	-----	-----	-----	105	-----	-----	6
-----	-----	1	20	6	-----	-----	-----	-----	-----	-----	30	-----	-----	7
-----	-----	24	105	322	-----	-----	-----	-----	-----	-----	5,297	-----	-----	-----

## BY COUNTIES, THIRD DISTRICT.

Total employees.	Days operated.	Explosives used for blasting coal.				Number of mining machines used.	Number of motors in use.	Tons mined by—			Number of animals underground.
		Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.			Machine.	Hand.	Strip-ping.	
1,031	157	18,907	18,100	265	1,655	35	7	707,197	95,261	755,759	51
182	254	9,592	-----	600	3,550	5	4	86,070	105,751	-----	20
1,213	167	28,499	18,100	865	5,205	40	11	793,267	201,012	755,759	71

## BY COUNTIES, THIRD DISTRICT.

417	117	7,024	-----	-----	-----	6	-----	65,939	103,959	1,030	-----
4	77	20	-----	-----	-----	-----	-----	-----	500	-----	-----
15	183	106	-----	-----	-----	-----	-----	-----	5,941	-----	-----
108	127	1,460	-----	-----	-----	-----	-----	-----	25,993	72	-----
73	131	5	-----	-----	-----	-----	-----	-----	9,054	-----	-----
74	156	1,155	116	-----	-----	-----	-----	-----	23,189	-----	-----
24	105	322	-----	-----	-----	-----	-----	-----	5,297	-----	-----
715	125	10,092	116	-----	-----	6	-----	65,939	173,933	1,102	-----

## BY COUNTIES, THIRD DISTRICT.

1,448	120	25,931	18,100	265	1,655	41	-----	773,136	199,220	756,789	-----
4	77	20	-----	-----	-----	-----	-----	-----	500	-----	-----
15	183	106	-----	-----	-----	-----	-----	-----	5,941	-----	-----
290	131	11,052	-----	600	3,550	5	-----	86,070	131,744	72	-----
73	131	5	-----	-----	-----	-----	-----	-----	9,054	-----	-----
74	156	1,155	116	-----	-----	-----	-----	-----	23,189	-----	-----
24	105	322	-----	-----	-----	-----	-----	-----	5,297	-----	-----
1,928	127	38,591	18,216	865	5,205	46	11	859,206	374,945	756,861	71

## FOURTH DISTRICT

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*Hon. John G. Millhouse, Director,  
Department of Mines and Minerals,  
Springfield, Illinois.*

SIR: I have the honor of submitting to you the report of this the Fourth Inspection District, comprising the coal producing counties of Christian, Menard, Morgan, Pike, Sangamon and Scott, for the year ended December 31, 1929.

The following is a summary of the items shown in the report:

Number of counties producing coal.....	6
Number of shipping mines.....	20
Number of local mines.....	29
Total number of employees.....	8,524
Total tons of coal produced.....	8,018,291
Days operated, shipping mines, average.....	167
Days operated, local mines, average.....	147
Number of fatal accidents.....	14
Number of non-fatal accidents.....	1,023
Number of employees to each fatal accident.....	609
Number of employees to each non-fatal accident.....	8.3
Tons of coal produced to each fatal accident.....	572,735
Tons of coal produced to each non-fatal accident.....	7,838
Ratio of fatal accidents per 1,000 employed.....	1.6
Ratio of non-fatal accidents per 1,000 employed.....	120.0

### REOPENED MINES.

Peabody Coal Company No. 9.

### MINES NOT OPERATED.

Pana Coal Company No. 2.

Assumption Coal Company.

Peabody Coal Company Nos. 6, 21 and 54.

Springfield Coal Company No. 3.

C. W. & F. Coal Company No. 1.

Illinois Colliery Company No. 2.

Madison Coal Corporation No. 6.

Peerless Coal Company.

Union Fuel Company Nos. 2, 3, 4 and 5.

Lincoln Coal Corporation.

### CHANGE OF NAME.

New North Coal Company to Panther Creek No. 5.

### MINES OPENED 1921-1929.

None.

### MINES ABANDONED 1921-1929.

Chicago-Springfield Coal Company, Lincoln Park Coal & Brick Company, (now a local mine,) Springfield; Dawson Coal Company, Dawson; Peabody Coal Company, Pawnee, Sangamon Co. Coal Co. No. 3, Cantrall, Sangamon County.

Mines in 1920 .....	40
Mines opened 1921-1929 .....	0
Mines abandoned 1921-1929 .....	5
Mines in 1929 .....	35
Mines operated 1929 .....	20
Mines idle 1929 .....	15

## FATAL ACCIDENTS.

January 4, Alexander Stewart, miner, age 20 years, single, was killed by an explosion of powder in Peabody Coal Company's No. 7 mine. Deceased was filling his cartridge with powder when the explosion occurred.

January 16, P. T. Clinton, motorman, age 26 years, married, was run over by motor and killed in Peabody Coal Company's No. 7 mine. He leaves a widow.

January 21, William Vincent, driver, age 38 years, single, was killed in No. 3 mine of the Panther Creek Mines, Inc., by being caught between top of car on which he was riding and a cross-bar.

March 4th, Levi Bryson, miner, age 64 years, married, was killed by a fall of coal in Penwell Coal Mining Company's mine. He leaves a widow.

May 23, Acie Dixon, shot-firer, age 34 years, married, was killed by a dust explosion caused by firing improperly balanced shots, in Peabody Coal Company's No. 55 mine. He leaves a widow and one child.

June 5, Max Twigg, age 50 years, single, was killed by a shot explosion in Peabody Coal Company's No. 57 mine. Deceased was drilling out a shot that had failed to fire when the explosion occurred.

June 21, Orville Wright, laborer, age 27 years, married, was struck by a cage and instantly killed, in Peabody Coal Company's No. 9 mine. He leaves a widow and two children.

August 22, Earl Fryman, laborer, age 25 years, married, died from injuries received three days before in Peabody Coal Company's No. 9 mine, by a fall of coal. He leaves a widow.

September 18, Lawrence Evoy, miner, age 58 years, married, was killed in Panther Creek Mines, Inc., No. 1 by a fall of top coal. He leaves a widow.

October 11, Attilio Berlucci, machine helper, age 39 years, married, was killed by a fall of face coal in Peabody Coal Company's No. 9 mine. He leaves a widow and six children.

October 15, Matt Schust, loader, age 54 years, single, was crushed to death between pit-car and coal rib, in Peabody Coal Company's No. 8 mine.

October 16, Thomas W. Estrop, loader, age 54 years, married, died from injuries received September 30 in Peabody Coal Company's No. 57 mine when caught by a fall of slate. He leaves a widow.

November 5, Charles Jewell, timberman, age 58 years, married, was killed by a fall of roof in Peabody Coal Company's No. 8 mine. He leaves a widow.

December 6, Joseph Maier, triprider, age 38 years, married, was killed by a motor in Panther Creek Mines, Inc., Mine No. 3. He leaves a widow and five children.

Respectfully submitted,

THOMAS HUNTER,

*Inspector.*

## FATAL CASUALTIES, FOURTH DISTRICT, 1929.

Date, 1929.	Name.	Age.	Occupation.	Residence.	Name of operator of mine.	Num- ber or letter of mine.	Married.	Single.	Widow.	Children.	Dependents.	Cause of death.
Jan. 16 Jan.	Alexander Stewart. P. T. Clinton. Wm. Vincent.	20 26 38	Miner. Motorman. Driver.	Kineaid. Kineaid. Springfield.	Peabody Coal Co. Peabody Coal Co. Panther Creek Mines.	7 7 3	1 1	1 1	1		1	Powder explosion. Motor. Caught between top of car and cross bar.
Mar 23 May 5 June 21 Aug.	Levi Bryson. Agie Dixon. Max Twigg. Orville Wright. Earl Fryman.	64 34 50 27 25	Miner. Shotfirer. Miner. Laborer. Loading machine man.	Pana. Springfield. Springfield. Taylorville. Taylorville.	Penwell Coal Co. Peabody Coal Co. Peabody Coal Co. Peabody Coal Co. Peabody Coal Co.	55 57 9	1 1 1	1 1 1	1 1 1	1 1 2	1 2 3	Falling coal. Dust explosion. Shot explosion. Struck by cage.
Sept. 11 Oct. 15 Oct. 16 Nov. 5 Dec. 6	Lawrence Exoy. Ortilio Bertucci. Matt Schust. T. W. Estrop. Charles Jewel. Joseph Maier.	58 39 54 54 58 38	Miner. Machine man. Loader. Timberman. Triprider.	Taylorville. Chatham. Taylorville. Lawnee. Dawson. Tovey. Springfield.	Peabody Coal Co. Panther Creek Mines. Peabody Coal Co. Peabody Coal Co. Peabody Coal Co. Peabody Coal Co. Panther Creek.	9 1 9 8 57 8 3	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	1 1 6 1 1 5	1 1 7 1 1 6	Falling coal. Falling coal. Falling coal. Pit cars. Falling slate. Falling slate. Motor.



## NON-FATAL ACCIDENTS, FOURTH DISTRICT.

Name of operator.	Number injured.	Not returned.	Days lost by men returned.		Cause of injury.	Number injured.	Not returned.	Days lost by men returned.	
			Total.	Average.				Total.	Average.
Brewerton Coal Co., No. 81.....	5		118	24	Fall of person.....	63	2	1,759	29
Central Illinois Coal Co.,.....	26	1	564	23	Falls of roof and sides.....	168	13	5,586	36
Mine B Coal Co.,.....	43		1,149	27	Haulage.....	131	7	4,188	32
Pana Coal Co., No. 1.....	35	4	680	22	Lifting.....	183	6	4,589	26
Peabody Coal Co., No. 7.....	210	3	4,776	23	Machinery.....	22		753	34
Peabody Coal Co., No. 8.....	89	1	2,790	32	Struck by objects.....	364	11	8,405	22
Peabody Coal Co., No. 9.....	84		2,479	30	Miscellaneous.....	27		583	22
Peabody Coal Co., No. 51.....	59	3	2,148	38	Not stated.....	35	2	695	21
Peabody Coal Co., No. 52.....	9		217	24					
Peabody Coal Co., No. 53.....	21	6	443	30					
Peabody Coal Co., No. 55.....	64	13	1,632	32					
Peabody Coal Co., No. 57.....	74		2,695	36					
Peabody Coal Co., No. 58.....	133		3,033	23					
Panther Creek Mines, No. 1.....	69	5	1,266	20					
Panther Creek Mines, No. 3.....	25	5	513	26					
Panther Creek Mines, No. 4.....	24		541	22					
Panther Creek Mines, No. 5.....	15		241	16					
Penwell Coal Co.,.....	15		604	40					
Sangamon Coal Co., No. 2.....	23		669	29					
Total.....	1,023	41	26,558	27		1,023	41	26,558	27

## CHRISTIAN COUNTY

Number.	Name of operator.	Post office address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to loco-motives.	Tons sold to local trade.
SHIPPING MINES.							
1	Peabody Coal Co., No. 8.	Tovey	1,025,694	962,083	56,205		6,246
2	Peabody Coal Co., No. 7.	Kincaid	986,662	975,715	685		7,128
3	Peabody Coal Co., No. 58.	Taylorville	686,338	57,094	577,886		42,207
4	Peabody Coal Co., No. 9.	Langleyville	565,094	552,383	640		444
5	Penwell Coal Mining Co.	Pana	193,839	155,160			28,187
6	Pana Coal Co., No. 1.	Pana	182,837	45,592	57,456	31,133	37,322
7	H. F. Young Coal Co.	Edinburg	14,558	500			13,374
Total.			3,655,022	2,748,527	692,872	31,133	134,908

## MENARD COUNTY

LOCAL MINES.						
1	Greenview Mining Co.	Greenview .....	28,014			28,014
2	Johnson Valley Coal Co.	Middletown .....	17,200			15,020
3	H. F. Sewell & J. K. Bell	Petersburg .....	9,980			9,740
4	Perkins & Hughes	Athens .....	6,420			6,420
5	Klingbeil Bros.	Petersburg .....	5,743			5,743
6	John W. Mallerger	Petersburg .....	4,306			4,306
7	Chas. Whitehurst	Tallula .....	2,947			2,470
8	Mary Passini	Petersburg .....	2,461			2,010
9	Fred W. Otken	Tallula .....	2,088			2,088
10	Febriegge Bros.	Petersburg .....	1,672			1,622
11	John H. Williams	Petersburg .....	1,400			1,000
12	Exaver Heitzman	Tallula .....	830			667
13	Jos Amberger	Petersburg .....	309			274
14	Old Salem Coal Co.	Petersburg .....	75			75
Total.			83,445			79,449

## MORGAN COUNTY

LOCAL MINES.						
1	Spencer Maystaff	Murrayville .....	670			670
2	Rennie Bros.	Chapin .....	50			50
Total.			720			720

## PIKE COUNTY

LOCAL MINE.						
1	Pike Coal Co.	Hadley .....	500			500

## FOURTH DISTRICT.

Disposition of output—tons		Total employees.	Days of active operation.	Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
Tons consumed at the mine.	All coal not sold including waste.			Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.	Mining machines.	Motors.					
1,160	2,064	863	166	18,178	21,900	64,350	51	20	1,025,694					1
1,070	1,901	862	165	15,371	62,200	30,000	56	25	986,662					2
7,250	11,261	597	192	25,289	257,650	19,800	11	16	120,353	565,985				3
366	4,812	355	168	1,250	13,525	17,875	17	21	565,094					4
5,680	282	344	99	1,472			1	3	7,664	186,175				5
11,052	20	190	231	600						182,837				6
664		30	133							14,558				7
27,242	20,340	3,241	165	62,160	313,375	116,250	37,675	136	87	2,705,467	949,555		33	

## FOURTH DISTRICT.

		48	190	1,800						28,014			1
2,180		15	220	290						17,200			2
240		13	186	430						9,680			3
		10	175	250						6,420			4
		11	182	300						5,743			5
		10	175	250						4,306			6
477		6	198	161						2,947			7
451		12	192	160						2,461			8
		7	300	150						2,088			9
50		5	160	90						1,672			10
400		7	100	100						1,400			11
163		7	90	60						830			12
35		4	55	16						309			13
		3	20	5						75			14
3,996		161	160	4,062						83,445			

## FOURTH DISTRICT.

		5	80							670			1
		4	15	8						50			2
		9	43	8						720			

## FOURTH DISTRICT.

		4	95	40						500			1
--	--	---	----	----	--	--	--	--	--	-----	--	--	---

## SANGAMON COUNTY

Number.	Name of operator.	Post office address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to loco-motives.	Tons sold to local trade.
SHIPPING MINES.							
1	Panther Creek Mine, Inc., No. 1.	Auburn	774,997	363,890	382,619		18,554
2	Peabody Coal Co., No. 55.	Springfield	614,714	246,485	350,777		8,719
3	Peabody Coal Co., No. 57.	Springfield	560,168	436,878	28,830		87,631
4	The Mine B Coal Co., "B"	Springfield	475,669	332,144	127,760		12,536
5	Peabody Coal Co., No. 51.	Springfield	422,583	388,308	28,048		1,015
6	Central Illinois Coal Mining Co., "A"	Springfield	324,152	261,992	50,430		10,365
7	Peabody Coal Co., No. 53.	Springfield	239,185	119,384	59,472		55,316
8	Panther Creek Mine, No. 4	Springfield	210,092	153,752	22,149		31,185
9	Sangamon Coal Co., No. 2.	Springfield	189,709	135,596	37,942		11,891
10	Panther Creek Mine, No. 3	Springfield	123,206	119,601	1,694		
11	Brewerton Coal Corp., No. 81.	Springfield	94,902	92,302	500		1,900
12	Peabody Coal Co., No. 52.	Riverton	71,376	43,373	21,577		1,608
13	Panther Creek Mine, No. 5	Springfield	59,444	27,558	15,503		12,895
Total.....			4,160,197	2,721,263	1,127,301		253,615
LOCAL MINES.							
1	Panther Creek Mine, No. 2	Springfield	64,516				64,451
2	Joseph Taylor, No. 12	Springfield	18,936				18,936
3	Barr Coal Co.	Athens	8,217				8,217
4	Frank Howard	Athens	7,256				6,872
5	Otto P. Wenneburg	New Berlin	4,000				3,800
6	Glen Lebetter & J. Reynolds Co.	Loami	3,844				3,405
7	Klingbeil Bros.	Pleasant Plains	3,743				3,480
8	Miller Bros.	Pleasant Plains	3,296				3,296
9	Lincoln Trail Coal Co.	Farmingdale	1,670				1,520
Total.....			115,478				113,977
Total 22 mines.....			4,275,675	2,721,263	1,127,301	408	367,592

## SCOTT COUNTY

LOCAL MINES.							
1	James A. Jones	Winchester	2,600				2,600
2	David D. Orchard	Exeter	280				280
3	Rouland Dickins	Chapin	49				49
Total			2,929				2,929

## FOURTH DISTRICT.

Disposition of output—tons		Total employees.	Days of active operation.	Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
Tons consumed at the mine.	All coal not sold including waste.			Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.	Mining machines.	Motors.					
6,102	3,832	726	203	43,083	-----	1,000	-----	1	15	7,507	767,490	-----	1	1
8,320	413	704	208	39,226	-----	20	-----	3	4	11,609	603,105	-----	38	2
6,829	-----	561	223	35,795	-----	-----	-----	-----	4	-----	560,168	-----	36	3
2,180	1,049	485	218	18,581	204,425	50	-----	4	-----	-----	475,669	-----	24	4
3,712	1,500	272	222	5,948	100,000	100	750	15	2	355,533	67,050	-----	19	5
220	1,145	246	245	9,763	204,175	50	-----	-----	3	-----	324,152	-----	13	6
1,030	3,983	259	138	10,134	37,350	-----	-----	15	4	73,977	165,208	-----	21	7
2,644	362	317	147	11,722	100	100	-----	-----	3	-----	210,092	-----	16	8
4,250	-----	360	145	10,774	8,400	-----	-----	-----	4	-----	189,709	-----	21	9
1,911	-----	305	94	6,803	-----	50	-----	-----	3	-----	123,206	-----	15	10
200	-----	137	204	6,805	-----	-----	-----	-----	1	-----	94,902	-----	12	11
2,274	2,544	262	71	-----	37,650	-----	-----	14	3	71,376	-----	-----	21	12
1,256	2,232	243	62	3,456	-----	-----	-----	-----	2	-----	59,444	-----	13	13
40,958	17,060	4,877	168	202,060	592,100	1,370	750	48	52	520,002	3,640,195	-----	250	-----
65	-----	110	148	4,006	-----	-----	-----	-----	-----	-----	64,516	-----	-----	1
-----	-----	42	153	-----	-----	-----	-----	-----	-----	-----	18,936	-----	-----	2
-----	-----	11	175	850	-----	-----	-----	-----	-----	-----	8,217	-----	-----	3
384	-----	11	197	461	-----	-----	-----	-----	-----	-----	7,256	-----	-----	4
200	-----	7	200	100	-----	-----	-----	-----	-----	-----	4,000	-----	-----	5
439	-----	10	202	299	-----	-----	-----	-----	-----	-----	3,844	-----	-----	6
263	-----	12	263	232	-----	-----	-----	-----	-----	-----	2,743	-----	-----	7
-----	-----	7	197	220	-----	-----	-----	-----	-----	-----	3,296	-----	-----	8
150	-----	5	100	152	-----	-----	-----	-----	-----	-----	1,670	-----	-----	9
1,501	-----	225	182	6,320	-----	-----	-----	-----	-----	-----	115,478	-----	-----	-----
42,951	17,060	5,102	173	208,412	592,100	1,370	750	48	52	520,002	3,755,673	-----	250	-----

## FOURTH DISTRICT.

-----	-----	3	160	-----	-----	-----	-----	-----	-----	2,600	-----	-----	1
-----	-----	2	90	-----	-----	-----	-----	-----	-----	280	-----	-----	2
-----	-----	1	50	-----	-----	-----	-----	-----	-----	49	-----	-----	3
-----	-----	6	67	-----	-----	-----	-----	-----	-----	2,929	-----	-----	-----

## SHIPPING MINES, RECAPITULATION

County.	Number of mines.	Total tons mined.	Disposition of output in tons.					
			Loaded on cars for shipment.	Sold to railroad companies.	Supplied to locomotives.	Sold to local trade.	Used at the mine.	All coal not sold, including waste.
Christian.....	7	3,655,022	2,748,527	692,872	31,133	134,908	27,242	20,340
Sangamon.....	13	4,160,197	2,721,263	1,127,301	-----	253,615	40,958	17,060
Total.....	20	7,815,219	5,469,790	1,820,173	31,133	388,523	68,200	37,400

## LOCAL MINES, RECAPITULATION

Menard.....	14	83,445	-----	-----	-----	79,449	3,996	-----
Morgan.....	2	720	-----	-----	-----	720	-----	-----
Pike.....	1	500	-----	-----	-----	500	-----	-----
Sangamon.....	9	115,478	-----	-----	-----	113,977	1,501	-----
Scott.....	3	2,929	-----	-----	-----	2,929	-----	-----
Total.....	29	203,072	-----	-----	-----	197,575	5,497	-----

## RECAPITULATION, ALL MINES

Christian.....	7	3,655,022	2,748,527	692,872	31,133	134,908	27,242	20,340
Menard.....	14	83,445	-----	-----	-----	79,449	3,996	-----
Morgan.....	2	720	-----	-----	-----	720	-----	-----
Pike.....	1	500	-----	-----	-----	500	-----	-----
Sangamon.....	22	4,275,675	2,721,263	1,127,301	-----	367,592	42,051	17,060
Scott.....	3	2,929	-----	-----	-----	2,929	-----	-----
Total.....	49	8,018,291	5,469,790	1,820,173	31,133	586,098	73,697	37,400

## BY COUNTIES, FOURTH DISTRICT.

Total employees.	Days operated.	Explosives used for blasting coal.				Number of mining machines used.	Number of motors in use.	Tons mined by—			Number of animals underground.
		Pow-der—kegs.	Pellet powder—pounds.	Dyna-mite—pounds.	Permis-sibles—pounds.			Ma-chine.	Hand.	Strip-ping.	
3,241	165	62,160	313,375	116,250	37,675	136	87	2,705,467	949,555	-----	33
4,877	168	202,090	592,100	1,370	750	48	52	520,002	3,640,195	-----	250
8,118	167	264,250	905,475	117,620	38,425	184	139	3,225,469	4,589,750	-----	283

## BY COUNTIES, FOURTH DISTRICT.

161	160	4,062	-----	-----	-----	-----	-----	-----	83,445	-----	-----
9	43	8	-----	-----	-----	-----	-----	-----	720	-----	-----
4	95	40	-----	-----	-----	-----	-----	-----	500	-----	-----
225	182	6,320	-----	-----	-----	-----	-----	-----	115,478	-----	-----
6	67	-----	-----	-----	-----	-----	-----	-----	2,929	-----	-----
405	147	10,430	-----	-----	-----	-----	-----	-----	203,072	-----	-----

## BY COUNTIES, FOURTH DISTRICT.

3,241	165	62,160	313,375	116,250	37,675	136	-----	2,705,467	949,555	-----	-----
161	160	4,062	-----	-----	-----	-----	-----	-----	83,445	-----	-----
9	95	8	-----	-----	-----	-----	-----	-----	720	-----	-----
4	95	40	-----	-----	-----	-----	-----	-----	500	-----	-----
5,102	173	208,412	592,100	1,370	750	48	-----	520,002	3,755,673	-----	-----
6	67	-----	-----	-----	-----	-----	-----	-----	2,929	-----	-----
8,523	155	274,682	905,475	117,620	38,425	184	139	3,225,469	4,792,822	-----	283

## FIFTH DISTRICT

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*Hon. John G. Millhouse, Director,  
Department of Mines and Minerals,  
Springfield, Illinois.*

SIR: I have the honor of submitting to you the report of this the Fifth Inspection District, comprising the coal producing counties of Edgar, Macon and Vermilion, for the year ended December 31, 1929.

The following is a summary of the items shown in the report:

Number of counties producing coal.....	3
Number of shipping mines.....	10
Number of local mines.....	71
Total number of employees.....	3,593
Total tons of coal produced.....	3,193,589
Days operated, shipping mines, average.....	175
Days operated, local mines, average.....	118
Number of fatal accidents.....	5
Number of non-fatal accidents.....	336
Number of employees to each fatal accident.....	719
Number of employees to each non-fatal accident.....	10.7
Tons of coal produced to each fatal accident.....	638,718
Tons of coal produced to each non-fatal accident.....	9,505
Ratio of fatal accidents per 1,000 employed.....	1.4
Ratio of non-fatal accidents per 1,000 employed.....	93.5

### MINES NOT OPERATED.

Lovington Coal Company.

### MINES OPENED 1921-1929.

Twin States Mining Co., Paris, Edgar Co., Lone Oak Coal Co.,  
Macomb Coal Co., United Electric Coal Co. Nos. 12 and 14, Danville;  
Yankee Branch Coal Co., Georgetown, Vermilion Co.

### MINES ABANDONED 1921-1929.

Niantic Coal Co., Niantic.

Macon Co. Coal Co., No. 1, Decatur, Macon Co.

Brady Branch Coal Co., Danville.

United Electric Coal Co. Nos. 3, 4, 5 and 6.

Lone Oak Coal Co., Danville.

I & I Coal Co., Sharon Coal Co., Yankee Branch Coal Co., Georgetown.

U. S. Fuel Company Nos. 3 and 4, Westville, Vermilion Co.

Mines in 1920 .....	18
Mines opened 1921-1929 .....	6
Mines abandoned 1921-1929 .....	13
Mines 1929 .....	11
Mines operated 1929 .....	10
Mines idle 1929 .....	1



## FATAL ACCIDENTS.

July 13, Robert Shepherd, miner, age 49 years, married, was killed by a fall of rock in Taylor-English Coal Company's mine. He leaves a widow and four children.

August 1, Luther G. Sparks, machine man, age 35 years, married, was killed by a fall of rock in United States Fuel Company's Bunsen mine. He leaves a widow and five children.

October 1, Charles J. Seidler, miner, age 56 years, married, was instantly killed in Peabody Coal Company's No. 24 mine by a fall of rock. He leaves a widow and one child.

October 23, William Brockmeier, miner, age 53 years, single, was going to his room, carrying a hatchet in his hand, when he fell, severing his thumb. He died about three and one-half hours later from shock and anaesthetics.

November 22, Andre Gopskus, miner, age 51 years, married, was killed in U. S. Fuel Company's Bunsenville mine, by a fall of rock. He leaves a widow.

Respectfully submitted,

FRED T. HODGES,

*Inspector.*

# FATAL CASUALTIES, FIFTH DISTRICT, 1929.

Date, 1929.	Name.	Age.	Occupation.	Residence.	Name of operator of mine.	Num- ber or letter of mine.	Married.	Single.	Widow.	Children.	Dependents.	Cause of death.
July 13	Robert Shepherd.	49	Miner	Catlin.	Taylor English.	---	1	---	1	4	5	Falling rock.
Aug. 1	Luther S. Sparks.	33	Machine man.	Georgetown.	U. S. Fuel Co.	Bun	1	---	1	5	6	Falling rock.
Oct. 1	C. J. Seidler.	56	Miner	Danville.	Peabody Coal Co.	24	1	---	1	1	2	Falling rock.
Oct. 23	Wm. Brockmeier.	53	Miner	Westville.	Peabody Coal Co.	24	---	1	---	---	---	Fell severing thumb.
Nov. 22	Andre Gopskuss.	51	Miner	Westville.	U. S. Fuel Co.	Bun	1	---	---	1	1	Falling rock.

## NON-FATAL ACCIDENTS, FIFTH DISTRICT.

Name of operator.	Number injured.	Not returned.	Days lost by men returned.		Cause of injury.	Number injured.	Not returned.	Days lost by men returned.	
			Total.	Average.				Total.	Average.
Contract Coal Co.	6	2	246	61	Fall of person.	17	1	407	26
Edgar County Coal Co.	2	—	57	28	Falls of roof and sides.	104	16	3,733	43
Hegeler Zinc Co.	12	—	371	31	Haulage.	62	10	2,021	40
M. & B. Coal Co.	11	—	51	51	Lifting.	25	2	744	32
Macon County Coal Co.	54	8	1,396	30	Machinery.	9	1	184	24
Peabody Coal Co., No. 24.	70	9	2,276	37	Struck by objects.	111	10	2,996	30
Shafer Bros.	15	—	120	120	Miscellaneous.	6	1	50	10
Taylor-English Coal Co.	15	—	457	14	Not stated.	2	—	37	18
United Electric Coal Co., No. 1.	10	—	193	19					
United Electric Coal Co., No. 12.	13	—	39	10					
United Electric Coal Co., No. 14.	14	—	301	22					
U. S. Fuel Co., Bunsen.	30	15	2,473	23					
U. S. Fuel Co., Verm.	58	7	2,067	42					
Total.	336	41	10,237	35		336	41	10,237	35

## EDGAR COUNTY

Number.	Name of operator	Post office address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to local motives.	Tons sold to local trade.
SHIPPING MINES.							
1	Twin States Coal Co.....	Clinton, Ind.....	3,100		3,100		
LOCAL MINE.							
1	Edgar County Coal Co....	Paris.....	7,143				7,143

## MACON COUNTY

<b>SHIPPING MINES.</b>							
1	Macon County Coal Co.....	Decatur.....	130,159	8,485			119,277

## VERMILION COUNTY

<b>SHIPPING MINES.</b>							
1	U. S. Fuel Co., "Bun".....	Georgetown.....	1,003,277	567,535	430,602		1,777
2	U. S. Fuel Co., "Verm".....	Georgetown.....	755,215	588,870	142,455	1,109	17,820
3	Peabody Coal Co., No. 24.....	Danville.....	479,692	126,449	341,642		5,578
4	United Elec. Coal Co., No. 1.....	Danville.....	209,986	62,568	130,858		5,229
5	United Elec. Coal Co., No. 14.....	Danville.....	172,648	39,617	123,301		
6	Taylor English Coal Co., No. 2.....	Catlin.....	69,122	15,122	46,751		7,249
7	United Elec. Coal Co., No. 12.....	Danville.....	57,996	12,196	41,100		
8	McComb Coal Co.....	Danville.....	10,138	5,782			4,331
<b>Total.....</b>			<b>2,758,074</b>	<b>1,418,139</b>	<b>1,256,799</b>	<b>1,109</b>	<b>41,984</b>
<b>LOCAL MINES.</b>							
1	Hegler Zinc Co.....	Danville.....	100,565				100,565
2	Contract Coal Co., No. 2.....	Danville.....	51,172				51,172
3	Contract Coal Co., No. 3.....	Danville.....	16,154				16,154
4	Central Coal Co.....	Danville.....	12,278				12,278
5	Martin & Meeker.....	Danville.....	12,000				12,000
6	L. & C. Coal Co.....	Danville.....	11,037				11,037
7	Dowiatt & Sons.....	Westville.....	10,670				10,670
8	M. & B. Coal Co.....	Danville.....	9,158				8,858
9	L. Balducchi.....	Fairmont.....	5,082				4,582
10	A. L. Del Valley.....	Danville.....	4,275				4,000
11	Jacob Spicer.....	Danville.....	4,000				4,000
12	Larson & Howard.....	Georgetown.....	3,406				3,406
13	A. B. Mauck.....	Danville.....	3,220				3,220
14	Pearson Coal Co.....	Catlin.....	2,916				2,916
15	Lanam & Ferry.....	Danville.....	2,788				2,788
16	A. Lete.....	Danville.....	2,732				2,732
17	Harry Brown.....	Danville.....	2,613				2,613
18	Lime Spring Coal Co.....	Danville.....	2,415				2,415

## FIFTH DISTRICT.

Disposition of output—tons.		Total employees.	Days of active operation.	Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
Tons consumed at the mine.	All coal not sold including waste.			Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.	Mining machines.	Motors.					
-----	-----	17	18	-----	-----	-----	-----	-----	-----	-----	-----	3,100	-----	1
-----	-----	14	130	-----	575	-----	-----	-----	-----	-----	7,143	-----	-----	1

## FIFTH DISTRICT.

2,397	-----	276	193	-----	-----	500	-----	9	2	130,159	-----	-----	30	1
-------	-------	-----	-----	-------	-------	-----	-------	---	---	---------	-------	-------	----	---

## FIFTH DISTRICT.

3,273	1,037	171	265			163,450	31	17	996,400	6,877		14	1
4,961	886	172	7,070			32,725	29	14	731,874	23,341		29	2
4,872	1,151	481	183	6,283	45,200	50	24	5	479,692			34	3
3,681	7,650	105	178	939		1,009					209,986		4
1,615	8,115	144	234	2,261		750	5		172,648			8	5
		97	252	2,565			2		18,443	50,679		6	6
2,050	2,650	59	103	212							57,996		7
25		15	248	480				1		10,138		1	8
20,477	19,566	2,824	193	20,075	45,200	197,984	91	37	2,399,057	91,035	267,982	92	
		106	219			30,400	3	1	80,922	19,643			1
		18	196	210							51,172		2
		23	194	398						16,154			3
		15	211	560						12,278			4
		14	203	400						12,000			5
		10	265	172						11,037			6
		20	260							10,670			7
300		16	138	230						9,158			8
500		8	158	235						5,082			9
275		6	195	237						4,275			10
		5	160	150						4,000			11
		3	215	180						3,406			12
		5	220	240						3,220			13
		8	162	119						2,916			14
		12	104	48							2,788		15
		5	225	45							2,732		16
		8	256	130									17
		5	161	203						2,613			17
										2,415			18

## VERMILION COUNTY

Number.	Name of operator.	Post office address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to local motives.	Tons sold to local trade.
19	Mauck Bros.	Danville	2,262				2,262
20	Lind Coal Co.	Danville	2,250				2,250
21	Perry Bales	Danville	2,125				2,125
22	Chas. W. Truax	Oakwood	2,100				2,100
23	A. H. Shelton	Danville	2,000				2,000
24	O. R. Fredrickson	Danville	2,000				2,000
25	R. C. Wilson	Danville	1,900				1,900
26	Schafer Bros., No. 5	Danville	1,845				1,845
27	John Larson	Grape Creek	1,734				1,734
28	L. & O. Coal Co.	Danville	1,400				1,400
29	Beon Coal Co.	Danville	1,240				1,240
30	Muker Bros., No. 1	Danville	1,176				1,176
31	Frank Woodward	Oakwood	1,000				1,000
32	Hume Coal Co.	Grape Creek	1,000				1,000
33	Cook Coal Co.	Grape Creek	960				960
34	J. M. Johnson	Westville	955				955
35	Alfred & Nelson	Danville	954				954
36	Indian Hill Coal Co.	Danville	880				880
37	Schafer Bros., No. 6	Danville	825				825
38	Elliott Bros.	Danville	811				811
39	B. T. & M. Coal Co.	Grape Creek	780				780
40	Frank Atterbury	Danville	760				760
41	Alex Kedas	Grape Creek	700				700
42	Bales & McFarland	Danville	676				676
43	Henry Stame	Danville	610				610
44	W. A. Ramey	Georgetown	600				600
45	Farrell & Spicer	Grape Creek	480				480
46	Gibbs & Wilburn	Danville	350				350
47	Thornton Coal Co.	Georgetown	350				350
48	Muker Bros., No. 2	Danville	340				340
49	Harry Brown	Oakwood	301				301
50	Ben Donovan	Danville	250				250
51	Martin & Anderson	Grape Creek	250				250
52	Edward Coal Co.	Danville	250				250
53	Chandler & McCool	Grape Creek	225				225
54	Carrol & Johnson	Danville	210				210
55	James Stewart Mine	Danville	200				200
56	Hunt Bros.	Danville	180				180
57	Chas. Shull	Danville	173				173
58	Short Coal Co.	Georgetown	160				160
59	Ashby Coal Co.	Grape Creek	150				150
60	Stull Coal Co.	Grape Creek	150				150
61	Fred Grimes	Danville	150				150
62	Ed Rogers	Danville	150				150
63	Hawkins Coal Co.	Georgetown	135				135
64	Contract Mining Co., No. 4	Danville	125				125
65	Ellis Bros.	Danville	120				120
66	J. M. Morgan	Georgetown	110				110
67	Tucker Coal Co.	Georgetown	90				90
68	Thatcher Coal Co.	Danville	90				90
69	J. P. Buford	Danville	50				50
70	Sumner Bales	Danville	50				50
Total			295,113				294,038
Total 78 mines			3,053,187	1,418,139	1,256,799	1,109	336,022

## FIFTH DISTRICT—Concluded.

Disposition of output—tons.		Total employees.	Days of active operation.	Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
Tons consumed at the mine.	All coal not sold including waste.			Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.	Mining machines.	Motors.					
.....	.....	10	85	147	.....	.....	.....	.....	.....	.....	2 262	.....	.....	19
.....	.....	5	180	110	.....	.....	.....	.....	.....	.....	2 250	.....	.....	20
.....	.....	5	140	105	.....	.....	.....	.....	.....	.....	2 123	.....	.....	21
.....	.....	5	156	105	.....	.....	.....	.....	.....	.....	2 100	.....	.....	22
.....	.....	6	100	80	.....	.....	.....	.....	.....	.....	2 000	.....	.....	23
.....	.....	2	284	100	.....	.....	.....	.....	.....	.....	2 000	.....	.....	24
.....	.....	5	160	.....	.....	.....	.....	.....	.....	.....	1 900	.....	.....	25
.....	.....	6	120	110	.....	.....	.....	.....	.....	.....	1 845	.....	.....	26
.....	.....	4	175	83	.....	.....	.....	.....	.....	.....	1 734	.....	.....	27
.....	.....	3	140	64	.....	.....	.....	.....	.....	.....	1 400	.....	.....	28
.....	.....	3	110	75	.....	.....	.....	.....	.....	.....	1 240	.....	.....	29
.....	.....	4	180	148	.....	.....	.....	.....	.....	.....	1 176	.....	.....	30
.....	.....	3	100	20	.....	.....	.....	.....	.....	.....	1 000	.....	.....	31
.....	.....	3	98	21	.....	.....	.....	.....	.....	.....	.....	1 000	.....	32
.....	.....	3	130	.....	.....	.....	.....	.....	.....	.....	.....	960	.....	33
.....	.....	3	140	70	.....	.....	.....	.....	.....	.....	955	.....	.....	34
.....	.....	3	192	64	.....	.....	.....	.....	.....	.....	934	.....	.....	35
.....	.....	6	73	46	.....	.....	.....	.....	.....	.....	880	.....	.....	36
.....	.....	3	90	43	.....	.....	.....	.....	.....	.....	825	.....	.....	37
.....	.....	3	70	28	.....	.....	.....	.....	.....	.....	811	.....	.....	38
.....	.....	3	104	38	.....	.....	.....	.....	.....	.....	780	.....	.....	39
.....	.....	4	60	.....	.....	.....	.....	.....	.....	.....	760	.....	.....	40
.....	.....	5	160	30	.....	.....	.....	.....	.....	.....	.....	700	.....	41
.....	.....	2	120	33	.....	.....	.....	.....	.....	.....	676	.....	.....	42
.....	.....	2	200	30	.....	.....	.....	.....	.....	.....	610	.....	.....	43
.....	.....	3	142	2	.....	.....	.....	.....	.....	.....	.....	600	.....	44
.....	.....	3	75	24	.....	.....	.....	.....	.....	.....	480	.....	.....	45
.....	.....	2	60	22	.....	.....	.....	.....	.....	.....	350	.....	.....	46
.....	.....	3	65	.....	.....	.....	.....	.....	.....	.....	.....	350	.....	47
.....	.....	6	63	42	.....	.....	.....	.....	.....	.....	340	.....	.....	48
.....	.....	7	100	300	.....	.....	.....	.....	.....	.....	301	.....	.....	49
.....	.....	3	44	8	.....	.....	.....	.....	.....	.....	.....	250	.....	50
.....	.....	3	44	25	.....	.....	.....	.....	.....	.....	250	.....	.....	51
.....	.....	2	50	11	.....	.....	.....	.....	.....	.....	250	.....	.....	52
.....	.....	2	60	.....	.....	.....	.....	.....	.....	.....	.....	225	.....	53
.....	.....	2	70	8	.....	.....	.....	.....	.....	.....	210	.....	.....	54
.....	.....	3	60	14	.....	.....	.....	.....	.....	.....	200	.....	.....	55
.....	.....	2	65	8	.....	.....	.....	.....	.....	.....	180	.....	.....	56
.....	.....	3	50	16	.....	.....	.....	.....	.....	.....	173	.....	.....	57
.....	.....	3	38	.....	.....	.....	.....	.....	.....	.....	.....	160	.....	58
.....	.....	3	40	16	.....	.....	.....	.....	.....	.....	150	.....	.....	59
.....	.....	2	40	8	.....	.....	.....	.....	.....	.....	150	.....	.....	60
.....	.....	2	40	6	.....	.....	.....	.....	.....	.....	150	.....	.....	61
.....	.....	2	42	8	.....	.....	.....	.....	.....	.....	150	.....	.....	62
.....	.....	3	30	.....	.....	.....	.....	.....	.....	.....	.....	135	.....	63
.....	.....	5	10	3	.....	.....	.....	.....	.....	.....	.....	125	.....	64
.....	.....	2	30	6	.....	.....	.....	.....	.....	.....	120	.....	.....	65
.....	.....	2	26	.....	.....	.....	.....	.....	.....	.....	.....	110	.....	66
.....	.....	2	20	.....	.....	.....	.....	.....	.....	.....	.....	90	.....	67
.....	.....	2	40	3	.....	.....	.....	.....	.....	.....	.....	90	.....	68
.....	.....	2	20	2	.....	.....	.....	.....	.....	.....	.....	50	.....	69
.....	.....	2	20	3	.....	.....	.....	.....	.....	.....	.....	50	.....	70
1,075	.....	462	118	5,642	.....	.....	.....	.....	.....	80,922	152,604	61,587	.....	.....
21,552	19,566	3,286	127	25,717	45,200	.....	197,984	91	37	2,479,979	91,035	267,982	92	.....

## SHIPPING MINES, RECAPITULATION

County.	Number of mines.	Total tons mined.	Disposition of output in tons.					
			Loaded on cars for shipment.	Sold to railroad companies.	Supplied to locomotives.	Sold to local trade.	Used at the mine.	All coal not sold, including waste.
Edgar.....	1	3,100		3,100				
Macon.....	1	130,159	8,485			119,277	2,397	
Vermilion.....	8	2,758,074	1,418,139	1,256,799	1,109	41,984	20,477	19,566
Total.....	10	2,891,333	1,426,624	1,259,899	1,109	161,261	22,874	19,566

## LOCAL MINES, RECAPITULATION

Edgar.....	1	7,143				7,143		
Vermilion.....	70	295,113				294,038	1,075	
Total.....	71	302,256				301,181	1,075	

## RECAPITULATION, ALL MINES

Edgar.....	2	10,243		3,100		7,143		
Macon.....	1	130,159	8,485			119,277	2,397	
Vermilion.....	78	3,053,187	1,418,139	1,256,799	1,109	336,022	21,552	19,566
Total.....	81	3,193,589	1,426,624	1,259,899	1,109	462,442	23,949	19,566



## BY COUNTIES, FIFTH DISTRICT.

Total employees.	Days operated.	Explosives used for blasting coal.				Number of mining machines used.	Number of motors in use.	Tons mined by—			Number of animals underground.
		Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissible—pounds.			Machine.	Hand.	Stripping.	
17	18									3,100	
276	193			500		9		130,159			30
2,824	193	20,075	45,200		197,984	91	37	2,399,057	91,035	267,982	92
3,117	193	20,075	45,200	500	197,984	100	39	2,529,216	91,035	271,082	122

## BY COUNTIES, FIFTH DISTRICT.

14	130		575						7,143		
462	118	5,642						80,922	152,604	61,587	
476	118	5,642	575					80,922	159,747	61,587	

## BY COUNTIES, FIFTH DISTRICT.

31	148		575						7,143	3,100	
276	193			500		9		130,159			
3,286	127	25,717	45,200		197,984	91		2,479,979	91,035	267,982	
3,593	128	25,717	45,775	500	197,984	100	39	2,610,138	98,178	271,082	122

## SIXTH DISTRICT

*Hon. John G. Millhouse, Director,  
Department of Mines and Minerals,  
Springfield, Illinois.*

SIR: I have the honor of submitting to you the report of this the Sixth Inspection District, comprising the coal producing counties of Greene, Macoupin, Montgomery and Shelby, for the year ended December 31, 1929.

The following is a summary of the items shown in the report:

Number of counties producing coal.....	4
Number of shipping mines.....	13
Number of local mines.....	13
Total number of employees.....	4,974
Total tons of coal produced.....	6,986,034
Days operated, shipping mines, average.....	195
Days operated, local mines, average.....	146
Number of fatal accidents.....	9
Number of non-fatal accidents.....	730
Number of employees to each fatal accident.....	553
Number of employees to each non-fatal accident.....	6.8
Tons of coal produced to each fatal accident.....	776,226
Tons of coal produced to each non-fatal accident.....	9,570
Ratio of fatal accidents per 1,000 employed.....	1.8
Ratio of non-fatal accidents per 1,000 employed.....	146.8

### MINES NOT OPERATED.

Standard Oil Company Nos. 1 and 2.  
Consolidated Coal Company No. 14.  
Illinois Coal Corporation No. 9.  
Illinois Colliery Company Nos. 3 and 4.  
Indiana and Illinois Coal Corporation Nos. 11, 12 and 15.  
Perry Coal Company.  
Union Fuel Company No. 6.

### MINES OPENED 1921-1929.

Perry Coal Company, Gillespie, Macoupin Co.

### MINES ABANDONED 1921-1929.

Royal Col. Co., Virden, Union Fuel Co. No. 1, Nilwood, Macoupin Co.; Clover Leaf Coal Co., Coffeen, Indiana & Illinois Coal Corporation No. 14, Witt, Montgomery Co.

Mines in 1920 .....	27
Mines opened 1921-1929 .....	1
Mines abandoned 1921-1929 .....	4
Mines 1929 .....	24
Mines operated 1929 .....	13
Mines idle 1929 .....	11

## FATAL ACCIDENTS.

March 23, John Detmers, laborer, age 17 years, single, died from injuries received three days previous, when struck by a railroad car at Mine No. 10, Indiana & Illinois Coal Corporation.

May 21, Edward Ruhland, engineer, age 49 years, married, was killed in Madison Coal Corporation's No. 5 mine. Deceased was in the generator room when the plate covering the steam chest burst. He was struck and frightfully scalded, which resulted in death in about five hours. He leaves a widow.

May 28, Joseph Tomsoe, miner, age 61 years, married, died from injuries received four days previous, by a fall of slate in Consolidated Coal Company's No. 15 mine. He leaves a widow and one child.

August 9, John Curtis, machine man, age 49 years, married, was killed by a fall of coal in Madison Coal Corporation's No. 5 mine. He leaves a widow and three children.

September 4, Jacob Bubb, laborer, age 60 years, single, died from injuries received the day before in Consolidated Coal Company's No. 7 mine, by a fall of loose top slate.

September 15, James Began, timberman, age 56 years, married, died from injuries sustained September 6th, when a piece of slate fell, cutting his hand. Blood poison developed, resulting in death. He leaves a widow and one child.

October 29, Harry Borg, triprider, age 32 years, married, was killed in Indiana and Illinois Coal Corporation's No. 10 mine, by being run over by motor. Deceased jumped off the motor while in motion to set a switch, struck a cross-bar, and fell in front of the motor. He leaves a widow and two children.

November 1, Louis Ramanoli, miner, age 50 years, single, was killed in Hillsboro Coal Company's mine, by a fall of coal.

December 18, Attilio Stephans, triprider, age 20 years, single, was killed while attempting to uncouple cars in motion, in Superior Coal Company's No. 4 mine.

Respectfully submitted,

JOHN K. FRASER.

*Inspector.*

## FATAL CASUALTIES, SIXTH DISTRICT, 1929.

Date, 1929.	Name.	Age.	Occupation.	Residence.	Name of operator of mine.	Num- ber or letter of mine.	Married.	Single.	Widow.	Children.	Dependents.	Cause of death.
Mar. 23	John Detmers	17	Laborer	Ohlman	Indiana & Illinois Coal Corp.	10	1	1	1		2	Railroad car.
May 21	Edward Ruhlander	49	Engineer	Mt. Olive	Madison Coal Corp.	5	1		1		1	Bursting steam chest.
May 28	Joseph Tomsoe	61	Miner	Mt. Olive	Consolidated Coal Co.	15	1		1	1	2	Falling slate.
Aug. 9	John Curtis	49	Machine man	Mt. Olive	Madison Coal Corp.	5	1		1	3	4	Falling slate.
Aug. 4	Jacob Bubb	60	Laborer	Stanton	Consolidated Coal Co.	7		1				Falling slate.
Sept. 15	James Began	58	Timberman	Gillespie	Superior Coal Co.	3	1		1	1	2	Falling slate, blood poison.
Oct. 29	Harry Borg	32	Triprider	Nokomis	Indiana & Illinois Coal Corp.	10	1		1	2	3	Motor.
Nov. 1	Louis Ramanoli	50	Miner	Hillsboro	Hillsboro Coal Co.			1				Falling coal.
Dec. 18	Atilio Stephans	20	Triprider	Wilsonville	Superior Coal Co.	4		1				Pit cars.

## NON-FATAL ACCIDENTS, SIXTH DISTRICT.

Name of operator	Number injured.	Not re- turned.	Days lost by men returned.		Cause of injury	Number injured.	No. re- turned.	Days lost by men returned.	
			Total.	Average.				Total.	Average.
Buser, Ed. A.	1	1	1,503	40	Fall of person	26	19	752	29
Consolidated Coal Co., No. 7	56	9	3,324	41	Falls of roof and sides	172	4	5,463	36
Consolidated Coal Co., No. 15	95	10	611	15	Haulage	100	4	4,653	49
Cosgrove-Meehan Coal Co., No. 5	44	4	839	24	Lifting	91	6	2,418	28
Gillespie Coal Co.	47	12	1,502	33	Machinery	38	2	1,245	24
Hillboro Coal Co.	45	10	1,776	34	Struck by objects	265	15	6,626	24
Indiana & Illinois Coal Corp., No. 10	59	1	1,759	25	Miscellaneous	10	1	245	27
Indiana Coal Corp., No. 5	31	1	648	31	Not stated	28	2	1,042	40
Madison Coal Co.	9	1	10	10					
Madison Coal Co.	1	1	42	14					
Reynoldsville Coal Co.	4	1	74	37					
Reynoldsville Coal Co.	2	1	2,173	40					
South Mine Coal Co.	54	5	2,783	33					
Superior Coal Co., No. 1	84	1	2,406	30					
Superior Coal Co., No. 2	83	3	3,334	25					
Superior Coal Co., No. 3	115	1							
Superior Coal Co., No. 4									
Total	730	49	22,444	33		730	49	22,444	33

## GREENE COUNTY

Number.	Name of operator.	Post office address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to locomotives.	Tons sold to local trade.
LOCAL MINES.							
1	John Harbaugh.....	Roodhouse.....	405	-----	-----	-----	385
2	Roy Hopper.....	Roodhouse.....	200	-----	-----	-----	175
3	James T. Adkins.....	Roodhouse.....	160	-----	-----	-----	160
	Total.....	-----	765	-----	-----	-----	720

## MACOUPIN COUNTY

<b>SHIPPING MINES.</b>							
1	Superior Coal Co., No. 4....	Gillespie.....	1,050,000	-----	1,024,343	-----	3,476
2	Superior Coal Co., No. 3....	Gillespie.....	850,118	-----	823,168	-----	12,785
3	Superior Coal Co., No. 2....	Gillespie.....	757,951	-----	739,880	-----	6,287
4	Superior Coal Co., No. 1....	Gillespie.....	736,797	-----	717,481	-----	3,008
5	Consolidated Coal Co., No. 15.....	Mt. Olive.....	708,899	331,895	337,014	-----	709
6	Madison Coal Corp., No. 5....	Mt. Olive.....	347,154	-----	304,073	24,381	2,943
7	Consolidated Coal Co., No. 7.....	Staunton.....	343,182	128,775	193,167	-----	-----
8	Gillespie Coal Co.....	Gillespie.....	261,004	255,162	-----	-----	4,806
9	South Mine Coal Co.....	Carlinsville.....	14,466	3,327	-----	-----	10,850
	Total.....	-----	5,069,571	719,159	4,139,126	24,381	44,864
<b>LOCAL MINES.</b>							
1	Ed A. Bunsen.....	Bunker Hill.....	3,763	-----	-----	-----	3,763
2	Lyons Coal Co.....	Chesterfield.....	700	-----	-----	-----	700
3	Rennie Bros.....	Chesterfield.....	400	-----	-----	-----	400
4	John Carlson.....	Chesterfield.....	327	-----	-----	-----	327
5	Claud Pitchford.....	Greenfield.....	326	-----	-----	-----	326
	Total.....	-----	5,516	-----	-----	-----	5,516
	Total 14 mines.....	-----	5,075,087	719,159	4,139,126	24,381	50,380

## MONTGOMERY COUNTY

<b>SHIPPING MINES.</b>							
1	Indiana & Illinois Coal Corp., No. 10.....	Nokomis.....	989,541	258,948	728,729	-----	-----
2	Cosgrove-Meehan Coal Co., No. 5.....	Panama.....	553,003	231,007	295,872	-----	3,513
3	Hillsboro Coal Co.....	Hillsboro.....	324,342	156,844	127,998	-----	28,933
	Total.....	-----	1,866,886	646,799	1,152,599	-----	32,446

## SIXTH DISTRICT.

Disposition of output—tons.		Total employees.	Days of active operation.	Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
Tons consumed at the mine.	All coal not sold including waste.			Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.	Mining machines.	Motors.					
20	-----	2	150	30	-----	-----	-----	-----	-----	-----	405	-----	-----	1
25	-----	4	150	12	-----	-----	-----	-----	-----	-----	200	-----	-----	2
-----	-----	2	100	12	-----	-----	-----	-----	-----	-----	160	-----	-----	3
45	-----	8	125	54	-----	-----	-----	-----	-----	-----	765	-----	-----	-----

## SIXTH DISTRICT.

22,181	-----	628	248	233	-----	-----	157,725	17	19	1,050,000	-----	-----	2	1
14,165	-----	717	168	5,065	-----	-----	-----	29	18	850,118	-----	-----	6	2
11,784	-----	620	162	5,463	-----	-----	-----	37	17	757,951	-----	-----	-----	3
16,308	-----	400	242	1,820	-----	-----	98,425	16	15	736,797	-----	-----	11	4
31,189	8,092	387	204	128	137,900	-----	49,300	14	25	708,899	-----	-----	-----	5
15,696	61	295	230	2,123	-----	-----	-----	22	4	347,154	-----	-----	19	6
5,461	15,779	239	159	851	10,650	-----	12,125	7	7	343,182	-----	-----	15	7
500	536	191	213	1,385	41,550	-----	-----	7	2	261,004	-----	-----	14	8
289	-----	34	124	162	-----	-----	-----	1	-----	14,466	-----	-----	3	9
117,573	24,468	3,514	194	17,107	290,100	-----	317,575	150	107	5,069,571	-----	-----	70	-----
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	11	197	50	-----	-----	-----	-----	-----	-----	3,763	-----	-----	1
-----	-----	4	120	50	-----	-----	-----	-----	-----	-----	700	-----	-----	2
-----	-----	7	40	40	-----	-----	-----	-----	-----	-----	400	-----	-----	3
-----	-----	2	90	25	-----	-----	-----	-----	-----	-----	327	-----	-----	4
-----	-----	2	120	20	-----	-----	-----	-----	-----	-----	326	-----	-----	5
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	26	113	185	-----	-----	-----	-----	-----	-----	5,516	-----	-----	-----
117,573	24,468	3,540	125	17,292	290,100	-----	317,575	150	107	5,069,571	5,516	-----	70	-----

## SIXTH DISTRICT.

365	1,499	609	219	7,972	-----	54,450	1,000	11	21	464,467	525,074	-----	-----	1
22,611	-----	407	222	-----	-----	-----	87,125	19	14	553,003	-----	-----	8	2
10,567	-----	270	209	3,198	-----	-----	-----	10	5	324,342	-----	-----	18	3
33,543	1,499	1,286	217	11,170	-----	54,450	88,125	40	40	1,341,812	525,074	-----	26	-----

## SHELBY COUNTY

Number.	Name of operator.	Post office address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to loco- motives.	Tons sold to local trade.
SHIPPING MINE.							
1	Moweaqua C. & M. Co.	Moweaqua	37,906	3,680	609		29,022
LOCAL MINES.							
1	J. G. Rost	Shelbyville	2,845				2,845
2	Auld & Cruik	Shelbyville	1,125				1,125
3	Okow Coal Co.	Shelbyville	560				560
4	B. F. Stretch	Shelbyville	500				500
5	C. E. Davis	Mode	360				360
Total			5,390				5,390
Total 6 mines			43,296	3,680	609		34,412

## SHIPPING MINES, RECAPITULATION

County.	Number of mines.	Total tons mined.	Disposition of output in tons.					
			Loaded on cars for ship-ment.	Sold to railroad com-panies.	Sup-plied to loco-motives.	Sold to local trade.	Used at the mine.	All coal not sold, including waste.
Macoupin.....	9	5,069,571	719,159	4,139,126	24,381	44,864	117,573	24,468
Montgomery.....	3	1,866,886	646,799	1,152,599	-----	32,446	33,543	1,499
Shelby.....	1	37,906	3,680	609	-----	29,022	4,595	-----
Total.....	13	6,974,363	1,369,638	5,292,334	24,381	106,332	155,711	25,967

## LOCAL MINES, RECAPITULATION

Greene	3	765				720	45	
Macoupin	5	5,516				5,516		
Shelby	5	5,390				5,390		
Total	13	11,671				11,626	45	

## RECAPITULATION, ALL MINES

Greene	3	765				720	45	
Macoupin	14	5,075,087	719,159	4,139,126	24,381	50,380	117,573	24,468
Montgomery	3	1,866,886	646,799	1,152,599		32,446	33,543	1,499
Shelby	6	43,296	3,680	609		34,412	4,595	
Total	26	6,986,034	1,369,638	5,292,334	24,381	117,958	155,756	25,967



## SIXTH DISTRICT.

Disposition of output—tons		Total employees.	Days of active operation.	Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
Tons consumed at the mine.	All coal not sold including waste.			Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.	Mining machines.	Motors.					
4,595		108	137	2,433					1		37,906		8	1
		12	260								2,845			1
		8	260								1,125			2
		4	90								560			3
		4	200								500			4
		4	120								360			5
		32	186								5,390			
4,595		140	178	2,433					1		43,296		8	

## BY COUNTIES, SIXTH DISTRICT.

Total employees.	Days operated.	Explosives used for blasting coal.				Number of mining machines used.	Number of motors in use.	Tons mined by—			Number of animals underground.
		Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.			Machine.	Hand.	Strip-ping.	
3,514	194	17,107	290,100		317,575	150	107	5,069,571			70
1,286	216	11,170		54,450	88,125	40	40	1,341,812	525,074		26
108	137	2,433					1		37,906		8
4,908	195	30,710	290,100	54,450	405,700	190	148	6,411,383	562,980		104

## BY COUNTIES, SIXTH DISTRICT.

8	125	54							765		
26	113	185							5,516		
32	186								5,390		
66	146	239							11,671		

## BY COUNTIES, SIXTH DISTRICT.

8	125	54							765		
3,540	125	17,292	290,100		317,575	150		5,069,571	5,516		
1,286	217	11,170		54,450	88,125	40		1,341,812	525,074		
140	178	2,433							43,296		
4,974	149	30,949	290,100	54,450	405,700	190	148	6,411,383	574,651		104

## SEVENTH DISTRICT

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*Hon. John G. Millhouse, Director,  
Department of Mines and Minerals,  
Springfield, Illinois.*

SIR: I have the honor of submitting to you the report of this the Seventh Inspection District, comprising the coal producing counties of Bond, Madison and Marion, for the year ended December 31, 1929.

The following is a summary of the items shown in the report:

Number of counties producing coal.....	3
Number of shipping mines.....	16
Number of local mines.....	5
Total number of employees.....	3,538
Total tons of coal produced.....	3,492,710
Days operated, shipping mines, average.....	157
Days operated, local mines, average.....	118
Number of fatal accidents.....	6
Number of non-fatal accidents.....	458
Number of employees to each fatal accident.....	590
Number of employees to each non-fatal accident.....	7.7
Tons of coal produced to each fatal accident.....	582,118
Tons of coal produced to each non-fatal accident.....	7,626
Ratio of fatal accidents per 1,000 employed.....	1.7
Ratio of non-fatal accidents per 1,000 employed.....	129.4

### MINES NOT OPERATED.

Franklin County Coal Company No. 9.

Lumaghi Coal Company No. 3.

Abbey Coal Corporation operated as a local mine.

### MINES OPENED 1921-1929.

Bunker Hill Coal Company, Edwardsville.

Collinsville Coal Corporation, Collinsville.

Carlin Coal Company, Bethalto, Madison Co.

### MINES ABANDONED 1921-1929.

Edwardsville Coal Company, Edwardsville.

Illinois Power and Light Corporation, Worden.

Moro Coal Company, Moro.

Donk Bros. Coal Company Nos. 1 and 2, Collinsville.

Madison Coal Corporation No. 4, Glen Carbon, Madison Co.

Mines in 1920 .....	22
Mines opened 1921-1929 .....	3
Mines abandoned 1921-1929 .....	7
Mines in 1929 .....	18
Mines operated 1929 .....	16
Mines idle 1929 .....	2

## FATAL ACCIDENTS.

January 16, Edward Logsdon, driver, age 25 years, single, died from injuries received the day before in Pocahontas Mining Company's mine. Deceased was riding on front end of car when the tail chain became unhooked, caught on a tie, and threw him against a prop.

April 6, John Ziegler, Jr., driver, age 20 years, single, was run over by a pit car and instantly killed in Mt. Olive and Staunton Coal Company's No. 2 mine.

May 15, Arthur Barber, driver, age 35 years, married, was run over by a pit car and killed in Madison Coal Corporation's No. 2 mine. He leaves a widow and two children.

September 21, Louis Casper, triprider, age 36 years, married, was run over and killed by pit cars in Lumaghi Coal Company's No. 2 mine. He leaves a widow and three children.

November 27, Frank V. Snedly, laborer, age 49 years, married, was struck by a pit car and killed in Mt. Olive and Staunton Coal Company's No. 2 mine. He leaves a widow and four children.

December 27, Dominic Bertello, miner, age 56 years, married, was killed in Lumaghi Coal Company's No. 2 mine by a fall of slate.

Respectfully submitted,

HENRY D. THOMPSON,

*Inspector.*

## FATAL ACCIDENTS, SEVENTH DISTRICT.

Date, 1920.	Name.	Age.	Occupation.	Residence.	Name of operator of mine.	Num- ber or letter of mine.	Married.	Single.	Widow.	Children.	Dependents.	Cause of death.
Jan. 16	Ed. Loesdon.....	25	Driver.....	Litchfield.....	Pocahontas Mining Co.....	2	1	1	1	2	1	Pit car.
Apr. 6	John Zeigler, Jr.....	20	Driver.....	Staunton.....	Mt. Olive & Staunton C. Co.	2	1	1	1	2	3	Pit car.
May 15	Arthur Barber.....	35	Driver.....	Collinsville.....	Madison Coal Corp.....	2	1	1	1	2	4	Pit car.
Sept. 21	Louis Casper.....	36	Triprider.....	Pleasant Ridge.....	Lumaghi Coal Co.....	2	1	1	1	4	5	Pit car.
Nov. 27	Frank V. Smedly.....	49	Laborer.....	Staunton.....	Mt. Olive & Staunton.....	2	1	1	1	4	5	Pit car.
Dec. 27	Dominic Bertello.....	50	Miner.....	Collinsville.....	Lumaghi Coal Co.....	2	1	1	1	4	1	Falling coal.

## NON-FATAL ACCIDENTS, SEVENTH DISTRICT.

Name of operator.	Number injured.	Not returned.	Days lost by men returned.		Cause of injury.	Number injured.	Not returned.	Days lost by men returned.	
			Total.	Average.				Total.	Average.
Abbey Coal Corp.	3		74	25	Fall of person.	27	3	784	33
Bullock Mining Co.	5	4	35	35	Falls of roof and sides.	111	15	3,431	36
Bunker Hill Coal Co.	5	1	112	28	Haulage.	56	6	1,891	38
Carlin Coal Co.	2		165	82	Lifting.	50		1,446	29
Collinsville Coal Corp.	3		44	15	Machinery.	12	1		39
East Side Coal Co.	2		29	15	Struck by objects.	142	9	3,503	26
Henrietta Coal Co., Hen.	5		130	26	Miscellaneous.	6		172	29
Lumagh Coal Co., No. 2.	70		2,460	35	Not stated.	54	6	1,797	37
Madison Coal Corp., No. 2.	51	1	1,389	28					
Marion County Coal Co.	32		769	26					
Mt. Olive & Staunton Coal Co.	108	12	2,478	26					
New Staunton Coal Co.	90	8	2,003	39					
Odin Coal Co.	11		304	28					
Peabody Coal Co., No. 17.	51	6	2,024	40					
Peabontas Mining Co.	46	2	1,420	33					
Troy Coal Co.	4	2	10	8					
Total.	458	40	13,452	32		458	40	13,452	32

## BOND COUNTY

Number.	Name of operator.	Post office address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to loco-motives.	Tons sold to local trade.
SHIPPING MINE.							
1	Pocahontas Mining Co.....	Pocahontas.....	205,688	138,780	53,970	-----	4,932

## MADISON COUNTY

<b>SHIPPING MINES.</b>							
1	Madison Coal Corp., No. 2.	Glen Carbon.....	666,587	-----	653,903	-----	2,989
2	Mt. Olive & Staunton Coal Co., No. 2.....	Staunton.....	643,875	616,359	-----	-----	3,801
3	Lumaghi Coal Co., No. 2.....	Collinsville.....	473,688	344,271	125,996	-----	-----
4	Peabody Coal Co., No. 17.....	Edwardsville.....	345,026	289,489	42,489	-----	-----
5	New Staunton Coal Co.....	Livingston.....	260,134	142,305	103,372	-----	5,070
6	Bullock Mining Co.....	Collinsville.....	80,274	49,774	-----	-----	30,000
7	Troy Mining Co.....	Troy.....	79,030	63,990	-----	-----	11,638
8	Collinsville Coal Corp.....	Madison.....	46,053	8,820	-----	-----	32,483
9	Bunker Hill Coal Co.....	Collinsville.....	44,875	10,700	-----	-----	33,275
10	Henrietta Coal Co., "Henrietta".....	Edwardsville.....	32,614	5,430	-----	-----	25,768
11	Carlin Coal Co.....	Bethalto.....	7,950	2,385	-----	-----	5,355
12	Henrietta Coal Co., Home T.....	Edwardsville.....	4,312	1,230	-----	-----	2,955
13	East Side Coal Co., No. 1.....	Edwardsville.....	3,390	500	-----	-----	2,740
Total.....			2,687,808	1,535,253	925,760	-----	156,074
<b>LOCAL MINES.</b>							
1	Abbey Coal Co.....	Collinsville.....	51,839	-----	-----	-----	46,459
2	Hydraulic Press Brick Co.....	Collinsville.....	6,450	-----	-----	-----	6,450
3	Fred Hausman.....	Maro.....	2,240	-----	-----	-----	2,220
4	John Walz.....	Worden.....	782	-----	-----	-----	651
5	Ernst H. Rink.....	Alton.....	200	-----	-----	-----	200
Total.....			61,511	-----	-----	-----	56,020
Total 18 mines.....			2,749,319	1,535,253	925,760	-----	212,094

## MARION COUNTY

<b>SHIPPING MINES.</b>							
1	Marion Coal Co.....	Centralia.....	363,900	252,167	60,798	-----	17,785
2	Odin Coal Co.....	Odin.....	173,803	138,825	-----	-----	20,743
Total.....			537,703	390,992	60,798	-----	38,528

## SEVENTH DISTRICT.

Disposition of output—tons.		Total employees.	Days of active operation.	Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
Tons consumed at the mine.	All coal not sold including waste.			Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.	Mining machines.	Motors.					
4,680	3,326	190	189	337	36,850	-----	7,400	10	-----	205,688	-----	-----	16	1

## SEVENTH DISTRICT.

9,565	130	581	211	6,995	-----	-----	-----	24	6	666,587	-----	-----	38	1
15,574	8,141	677	214	893	97,070	-----	3,925	25	3	643,875	-----	-----	44	2
3,421	-----	393	166	3,727	28,525	-----	-----	14	13	473,688	-----	-----	7	3
5,308	7,740	324	157	4,311	33,600	2,550	-----	12	20	345,026	-----	-----	1	4
8,478	909	401	99	2,202	1,300	-----	-----	18	15	260,134	-----	-----	2	5
500	-----	87	185	3,637	-----	-----	-----	-----	-----	-----	80,274	-----	9	6
3,388	14	133	130	-----	20,125	200	-----	6	25	79,030	-----	-----	9	7
750	4,000	51	141	1,028	26,750	-----	-----	-----	-----	46,053	-----	-----	3	8
900	-----	44	189	400	-----	-----	-----	2	-----	44,875	-----	-----	5	9
1,416	-----	49	166	-----	6,675	-----	-----	4	-----	32,614	-----	-----	5	10
160	50	18	150	-----	1,300	-----	200	1	-----	7,950	-----	-----	2	11
127	-----	41	35	-----	1,050	-----	-----	2	1	4,312	-----	-----	3	12
150	-----	19	40	116	-----	-----	-----	-----	-----	-----	3,390	-----	2	13
49,737	20,984	2,818	145	23,309	215,095	3,855	4,125	108	83	2,558,091	129,717	-----	130	-----
1,617	3,763	69	154	740	-----	200	-----	3	1	51,839	-----	-----	7	1
20	-----	6	145	215	-----	-----	-----	-----	-----	-----	6,450	-----	2	2
91	-----	8	200	73	-----	-----	-----	-----	-----	-----	2,240	-----	3	3
-----	-----	4	22	35	-----	-----	-----	-----	-----	-----	782	-----	4	4
-----	-----	4	90	5	-----	-----	-----	-----	-----	-----	200	-----	5	5
1,728	3,763	91	118	1,068	-----	200	-----	3	1	51,839	9,672	-----	7	-----
51,465	24,747	2,909	137	24,377	215,095	4,255	4,125	111	84	2,609,930	139,389	-----	137	-----

## SEVENTH DISTRICT.

23,725	9,425	236	189	-----	-----	71,375	10	7	363,900	-----	-----	23	1	
14,235	-----	203	249	1,619	-----	-----	11	2	173,803	-----	-----	20	2	
37,960	9,425	439	219	1,619	-----	-----	71,375	21	9	537,703	-----	-----	43	-----

## SHIPPING MINES, RECAPITULATION

County.	Number of mines.	Total tons mined.	Disposition of output in tons.					
			Loaded on cars for shipment.	Sold to railroad companies.	Supplied to locomotives.	Sold to local trade.	Used at the mine.	All coal not sold, including waste.
Bond.....	1	205,688	138,780	53,970	-----	4,932	4,680	3,326
Madison.....	13	2,687,808	1,535,253	925,760	-----	156,074	49,737	20,984
Marion.....	2	537,703	390,992	60,798	-----	38,528	37,960	9,425
Total.....	16	3,431,199	2,065,025	1,040,528	-----	199,534	92,377	33,735

## LOCAL MINES, RECAPITULATION

Madison.....	5	61,511	-----	-----	-----	56,020	1,728	3,763
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## RECAPITULATION, ALL MINES

Bond.....	1	205,688	138,780	53,970	-----	4,932	4,680	3,326
Madison.....	18	2,749,319	1,535,253	925,760	-----	212,094	51,465	24,747
Marion.....	2	537,703	390,992	60,798	-----	38,528	37,960	9,425
Total.....	21	3,492,710	2,065,025	1,040,528	-----	255,554	94,105	37,498



## BY COUNTIES, SEVENTH DISTRICT.

Total employees.	Days operated.	Explosives used for blasting coal.				Number of mining machines used.	Number of motors in use.	Tons mined by—			Number of animals underground.
		Pow-der—kegs.	Pellet powder—pounds.	Dyna-mite—pounds.	Permis-sibles—pounds.			Ma-chine.	Hand.	Strip-ping.	
190	189	337	36,850		7,400	10		205,688			16
2,818	145	23,309	215,095	3,855	4,125	108	83	2,558,091	129,717		130
439	219	1,619			71,375	21	9	537,703			43
3,447	156	25,265	251,945	3,855	82,910	139	92	3,301,482	129,717		189

## BY COUNTIES, SEVENTH DISTRICT.

91	118	1,068		200		3		51,839	9,672		
----	-----	-------	--	-----	--	---	--	--------	-------	--	--

## BY COUNTIES, SEVENTH DISTRICT.

190	189	337	36,850		7,400	10		205,688			
2,909	137	24,377	215,095	4,055	4,125	111		2,609,930	139,389		
439	219	1,619			71,375	21		537,703			
3,538	148	26,233	251,945	4,055	82,910	142	92	3,353,321	133,389		189

## EIGHTH DISTRICT

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*Hon. John G. Millhouse, Director,  
Department of Mines and Minerals,  
Springfield, Illinois.*

SIR: I have the honor of submitting to you the report of this the Eighth Inspection District, comprising the coal producing counties of Clinton and St. Clair, for the year ended December 31, 1929.

The following is a summary of the items shown in the report:

Number of counties producing coal.....	2
Number of shipping mines.....	32
Number of local mines.....	20
Total number of employees.....	3,758
Total tons of coal produced.....	3,346,284
Days operated, shipping mines, average.....	132
Days operated, local mines, average.....	144
Number of fatal accidents.....	5
Number of non-fatal accidents.....	290
Number of employees to each fatal accident.....	752
Number of employees to each non-fatal accident.....	12.9
Tons of coal produced to each fatal accident.....	669,257
Tons of coal produced to each non-fatal accident.....	11,538
Ratio of fatal accidents per 1,000 employed.....	1.3
Ratio of non-fatal accidents per 1,000 employed.....	77.2

### MINES REOPENED.

Vinegar Hill Coal Company.

### MINES NOT OPERATED.

Breese-Trenton Mining Company, Beckemeyer.

St. Louis & O'Fallon Coal Company No. 1.

Egyptian Coal Company, Meek - and O. K.

B. B. Coal Company.

Consolidated Coal Company, No. 17.

Caseyville Coal Company.

Southern Coal Company, Nos. 1 and 8.

### MINES OPENED 1921-1929.

United Electric Coal Company, Freeburg.

### MINES ABANDONED 1921-1929.

Clinton County:

Consolidated Coal Co., Breese.

St. Clair County:

Perry Coal Co., Pitts., Belleville.

White-Sargent Coal Co., Belleville.

Columbia Col. Co., Lebanon.  
 Columbia Col. Co., Lenzburg.  
 Columbia Col. Co., Freeburg.  
 Columbia Col. Co., N. L. Lenzburg.  
 Fallon Coal Co., O'Fallon.  
 Highland Coal Co., Belleville.  
 Liberty Coal Co., Rentchler.  
 L & N Coal Co., No. 1, Rentchler.  
 Prairie Coal Co., Belleville.  
 Superior Coal Co., Valley, Belleville.  
 Victoria Coal Mining Co., Brach, Belleville.  
 Victoria Coal Mining Co., Suburb, Belleville.  
 West Belleville Coal Co., Belleville.  
 South Belleville Coal Co., Belleville.  
 Kolb Coal Co., Mascoutah.  
 Star Coal Co., Mascoutah.  
 Columbia Col. Co., Royal, Mascoutah.  
 Premier Coal Co., Belleville.

Mines in 1920 .....	60
Mines opened 1921-1929 .....	1
Mines abandoned 1921-1929 .....	21
Mines in 1929 .....	40
Mines operated 1929 .....	32
Mines idle 1929 .....	8

#### FATAL ACCIDENTS.

February 18, Evan Bowen, miner, age 62 years, married, was killed by falling clod in Summit Coal Mining Company's mine. He leaves a widow.

June 6, Charles L. Beigs, shovel operator, age 22 years, married, was electrocuted in United Electric Coal Company's No. 13 mine. While moving the shovel, it struck a charged cable, cutting in two, and charged the shovel, the deceased receiving the charge. He leaves a widow and one child.

August 1, B. H. Albers, laborer, age 28 years, married, was killed in Breese-Trenton Coal Company's North mine, by being caught in shaker belt. He leaves a widow and three children.

October 24, William Bell, laborer, age 49 years, single, died from injuries sustained three weeks earlier by a fall of slate in Southern Coal, Coke and Mining Company's No. 7 mine.

October 29, Alvin Trierweiler, miner, age 40 years, married, was killed in Guest Coal Company's mine by a fall of coal. He leaves a widow and two children.

Respectfully submitted,

JAMES R. RICHARDS,

*Inspector.*

## FATAL CASUALTIES, EIGHTH DISTRICT, 1929.

Date, 1929.	Name.	Age.	Occupation.	Residence.	Name of operator of mine.	Num- ber or letter of mine.	Married.	Single.	Widow.	Children.	Dependents.	Cause of death.
Feb. 18	Evan Bowem.....	62	Miner.....	O'Fallon.....	Summit Coal Co.....	.....	1	.....	1	.....	1	1 Falling clod.
June 6	C. L. Beigs.....	22	Shovel man.....	Marissa.....	United Electric Coal Co.....	13	1	.....	1	.....	2	2 Electrocutd.
Aug. 1	B. H. Albers.....	28	Laborer.....	Germentown.....	Breese-Trenton Coal Co.....	N	1	.....	1	3	4	Machinery.
Oct. 24	Wm. Bell.....	48	Laborer.....	Belleville.....	Southern C. C. Co.....	7	.....	1	.....	.....	.....	Fell down, back broken.
Oct. 29	Alvin Trierweiler.....	40	Miner.....	Belleville.....	Guest Coal Co.....	.....	1	.....	1	2	3	Falling slate.

## NON-FATAL ACCIDENTS, EIGHTH DISTRICT.

Name of operator.	Number injured.	Not re- turned.	Days lost by men returned.		Cause of injury.	Number injured.	Not re- turned.	Days lost by men returned.		Total.	Average.
			Total.	Average.				Total.	Average.		
Aluminum Ore Co.	42		1,771	42	Fall of person.	21	1	511	26		
Bluff View Coal Co.	2		25	12	Falls of roof and sides.	68	4	2,540	40		
Breese-Trenton Coal Co., East.	1		16	16	Haulage.	41	3	1,248	33		
Breese-Trenton Coal Co., North.	5		309	62	Lifting.	27	1	667	24		
East Bell Coal Co.	19		953	50	Machinery.	116	3	3,546	41		
Edgmont Coal Co.	5		103	21	Struck by objects.	5	8	182	36		
Eldmar Coal Co.	8		213	27	Miscellaneous.	1		17	17		
Golden Rule Coal Co.	1	1			Not stated.						
Groom Coal Co.	6		189	31							
Guest Coal Co.	12		259	22							
Gundlach Coal Co.	1		44	44							
Jones Bros Coal Co., No. 1.	5	1	181	45							
Lyle Coal Co.	3	1	52	32							
Mulberry Hill Coal Co.	9		53	26							
New National Coal Co.	9	2	364	40							
Pep Coal Co.	1		340	49							
Perry Coal Co., Carbon.	2		18	18							
Perry Coal Co., St. E.	10	1	203	23							
Perry Coal Co., Sup.	5		67	13							
Perry Coal Co., Taylor.	20	6	244	14							
Quality Coal Co.	2		45	22							
St. Louis & O'Fallon Coal Co.	63	3	1,919	32							
Service Coal Co.	6	2	163	41							
Southern C. & M. Co., No. 6.	1		69	69							
Southern C. & M. Co., No. 7.	10	1	233	26							
Southern C. & M. Co., No. 9.	19		412	22							
Summit Coal Co.	8		304	38							
Tower Grove Coal Co.	2		58	29							
United Electric Coal Co., No. 13.	8		164	20							
Vinegar Hill Coal Co.	4		102	26							
Total.	290	20	8,873	33		290	20	8,873	33		

## CLINTON COUNTY

Number.	Name of operator.	Post office address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to loco-motives.	Tons sold to local trade.
	SHIPPING MINES.						
1	Southern Coal, Coke & M. Co.	New Baden	223,708	201,675			9,019
2	Breese Trenton Mining Co., N. B.	Breese	189,228	143,844	21,545	6,884	2,415
3	Breese Trenton Mining Co., East.	Breese	129,907	72,709	9,630	18,422	25,366
	Total		542,843	418,228	31,175	25,306	36,800

## ST. CLAIR COUNTY

SHIPPING MINES.							
1	United Electric Coal Co., No. 13.	Danville	422,821	353,432	48,000		
2	St. Louis & O'Fallon Coal Co., No. 2.	East St. Louis	281,457	233,625	34,082	2,105	2,401
3	Aluminum Ore Co.	Belleville	279,673	269,340	10,333		
4	Southern Coal, Coke & Mining Co., No. 7.	Belleville	221,137	205,370			
5	Perry Coal Co., Taylor	O'Fallon	212,901	50,532	156,598		648
6	Groom Coal Co.	Belleville	129,063	42,699	50,584	34,030	300
7	Gundlach Coal Co.	East St. Louis	126,797	32,350	68,475	1,122	19,644
8	Perry Coal Co., St. E.	O'Fallon	83,117	34,017	20,840	150	24,762
9	Service Coal Co.	Belleville	78,510	21,867			55,643
10	Golden Rule Coal Co.	Lenzburg	67,802	58,131			6,671
11	Mulberry Hill Coal Co.	Freeburg	63,625	57,479			4,984
12	Ell Rich Mining Co.	Belleville	59,928	51,203			7,665
13	Perry Coal Co., Superior	Belleville	59,212	26,659			31,606
14	Southern Coal, Coke and Mining Co., No. 6.	Belleville	56,186	18,403			37,449
15	New National Coal Mining Co.	Belleville	54,236	28,367	9,462		13,642
16	Reichert Coal Co.	Freeburg	54,093	50,000			3,450
17	Guest Coal Co.	Belleville	46,490	20,751			24,399
18	Quality Coal & Mining Co.	Belleville	43,451	16,214			27,010
19	Summit Coal Co.	Belleville	40,907	39,937			291
20	Eldnar Coal Co.	Belleville	35,624	34,624			
21	Lyle Coal Co.	Marissa	33,965	6,554	26,217		874
22	Kolb Coal Co., No. 1.	Mascoutah	29,963	8,750	7,865		12,368
23	Perry Coal Co., Carbon	O'Fallon	29,028	11,782	11,966		4,286
24	Vinegar Hill Coal Co.	Lenzburg	21,715	20,081			997
25	Jones Bros. Coal Mining Co., No. 1.	Marissa	16,437	13,419			2,732
26	Fullerton Coal Co.	Belleville	13,014	12,464			300
27	Lou Nash Coal Mining Co., No. 2.	Belleville	10,956	10,494			162
28	Hippard Coal Co.	Belleville	10,852	3,398			7,054
29	Kolb Coal Co., No. 2.	Mascoutah	4,612	4,502			
	Total		2,587,572	1,736,444	444,422	37,407	289,338

## EIGHTH DISTRICT.

Disposition of output—tons.		Total employees.	Days of active operation.	Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
Tons consumed at the mine.	All coal not sold including waste.			Powder—kgs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.	Mining machines.	Motors.					
13,014	-----	227	144	2,470	-----	-----	-----	13	6	223,708	-----	-----	-----	1
9,000	5,540	155	171	-----	47,000	-----	12,000	6	2	189,228	-----	-----	15	2
3,780	-----	199	126	1,383	-----	-----	-----	6	4	129,907	-----	-----	12	3
25,794	5,540	581	147	3,853	47,000	-----	12,000	25	12	542,843	-----	-----	27	

## EIGHTH DISTRICT.

1,200	20,189	61	291	490								422,821	
9,244		433 173	184 276	677	79,350 34,950		49,850	25 4	9 5	281,457 279,673			10 13
15,767		134	173	9,120	16,750			10	2	221,137			20
5,000	123	145	234	2,249	64,000			2	2	149,291	63,610		12
1,200	250	84	208	3,470				2	4	129,063			12
183	5,023	95	183	250	28,400			4	3	123,647	3,150		6
3,248	100	112	205	489	32,300			3	1	55,412	27,705		12
1,000		85	247	3,260	5,000				1		78,510		5
1,800	1,200	66	144	39,900		200			2		67,802		5
972		216	46	1,754	19,375	100		1	2	1,404			14
800	260	72	144		6,600				1		62,221		4
825	122	46	262		30,000	200		2	1	59,212			4
334		52	172	2,665					1		56,186		4
2,765		46	155		8,750	100		1	1	54,236			5
643		100	107	2,570				1	1		54,093		6
1,340		91	132	573				4	1	46,490			5
227		83	113	1,273		25		1	1	8,286	35,165		7
679		63	167	1,988							40,907		12
1,000		42	166	1,180					2		35,624		6
268	52	96	59	1,171		200			1		33,965		7
980		116	30	1,422	1,450				1		29,963		6
1,920	74	112	49	235	4,750			2	1	26,110	2,918		10
251	386	54	64	737	8,050	40			1		21,715		3
286		90	39	657							16,437		4
250		28	86	441							13,014		12
300		50	41	425							10,956		3
400		18	90		2,700			1		10,852			2
110		113	3		5,450				1		4,612		7
51,992	27,969	2,866	137	76,996	315,575	865	49,850	62	45	1,446,270	718,481	422,821	216

Number.	Name of operator.	Post office address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to loco-motives.	Tons sold to local trade.
LOCAL MINES.							
1	Edgemont Coal Co. ....	Belleville .....	49,352				49,143
2	East Bell Coal Co. ....	Centerville .....	22,160				22,160
3	Bell Heat Coal Co. ....	Belleville .....	23,283				23,283
4	Bluff View Coal Co. ....	Collinsville .....	23,545				23,421
5	C. G. Stuhl Coal Co. ....	Belleville .....	15,000				15,000
6	Schubert Coal Co. ....	Mascoutah .....	13,372				13,372
7	Safety Coal Co. ....	Belleville .....	12,839				12,839
8	Tower Grove Coal Co. ....	Belleville .....	9,000				7,720
9	East Side Coal Co. ....	Freeburg .....	9,103				8,897
10	Southern Coal, Coke & Mining Co. ....	Belleville .....	8,159				8,159
11	Pep Coal Co. ....	New Athens .....	7,361				7,361
12	New St. Clair Coal Co. ....	Caseyville .....	6,928				6,928
13	Albert Buhl .....	Caseyville .....	5,000				5,000
14	Herman Herman & Stahlhele .....	Freeburg .....	4,587				4,237
15	B. Kaplar .....	Edgemont .....	1,550				1,550
16	Breese Coal Co. ....	Belleville .....	1,716				1,462
17	H. E. Guthery .....	Millstadt .....	1,318				1,318
18	Van & Van Coal Co. ....	Edgemont .....	1,149				1,149
19	Boyce Bros. ....	East St. Louis .....	357				357
20	Fred J. Ziska Coal Co. ....	Edgemont .....	90				90
Total.....			215,869				213,446
Total 49 mines.....			2,803,441	1,736,444	444,422	37,407	502,784



## EIGHTH DISTRICT—Concluded.

Disposition of output—tons.		Total employees.	Days of active operation.	Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
Tons consumed at the mine.	All coal not sold including waste.			Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.	Mining machines.	Motors.					
209		56	189	2,323							49,352			1
		33	150	756							22,160			2
		55	130	333							23,283			3
124		20	242	228							23,545			4
		23	215	750							15,000			5
		13	170	535							13,372			6
		10	170		60						12,839			7
1,280		21	150	400							9,000			8
206		9	198	455							9,103			9
		29	65	325							8,159			10
		13	133	342							7,361			11
		9	208	390							6,928			12
		10	200								5,000			13
350		5	215	188							4,587			14
		8	94	80							1,550			15
254		6	60	70							1,716			16
		4	167								1,318			17
		4	68	110							1,149			18
		2	90	20							357			19
		1	60	12							90			20
2,423		331	144	6,927	60						215,869			
54,415	27,969	3,177	140	83,923	315,635	865	49,850	62	45	1,446,270	934,350	422,821	216	

## SHIPPING MINES, RECAPITULATION

County.	Number of mines.	Total tons mined.	Disposition of output in tons.					
			Loaded on cars for shipment.	Sold to railroad companies.	Supplied to locomotives.	Sold to local trade.	Used at the mine.	All coal not sold, including waste.
Clinton.....	3	542,843	418,228	31,175	25,306	36,800	25,794	5,540
St. Clair.....	29	2,587,572	1,736,444	444,422	37,407	289,338	51,992	27,969
Total.....	32	3,130,415	2,154,672	475,597	62,713	326,138	77,786	33,509

## LOCAL MINES, RECAPITULATION

St. Clair.....	20	215,869	-----	-----	-----	213,446	2,423	-----
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## RECAPITULATION, ALL MINES

Clinton.....	3	542,843	418,228	31,175	25,306	36,800	25,794	5,540
St. Clair.....	49	2,803,441	1,736,444	444,422	37,407	502,784	54,415	27,969
Total.....	52	3,346,284	2,154,672	475,597	62,713	539,584	80,209	33,509

## BY COUNTIES, EIGHTH DISTRICT.

Total employees.	Days operated.	Explosives used for blasting coal.				Number of mining machines used.	Number of motors in use.	Tons mined by—			Number of animals underground.
		Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissible—pounds.			Machine.	Hand.	Stripping.	
581	147	3,853	47,000	-----	12,000	25	12	542,843	-----	-----	27
2,866	137	76,996	315,575	865	49,850	62	45	1,446,270	718,481	422,821	216
3,447	138	80,849	362,575	865	61,850	87	57	1,989,113	718,481	422,821	243

## BY COUNTIES, EIGHTH DISTRICT.

331	144	6,927	60	-----	-----	-----	-----	-----	215,869	-----	-----
-----	-----	-------	----	-------	-------	-------	-------	-------	---------	-------	-------

## BY COUNTIES, EIGHTH DISTRICT.

581	147	3,853	47,000	-----	12,000	25	-----	542,843	-----	-----	-----
3,197	140	83,923	315,635	865	49,850	62	-----	1,446,270	934,350	422,821	-----
3,778	140	87,776	362,635	865	61,850	87	57	1,989,113	934,350	422,821	243

## NINTH DISTRICT

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*Hon. John G. Millhouse, Director,  
Department of Mines and Minerals,  
Springfield, Illinois.*

SIR: I have the honor of submitting to you the report of this the Ninth Inspection District, comprising the coal producing counties of Jackson, Perry, Randolph and Washington, for the year ended December 31, 1929.

The following is a summary of the items shown in the report:

Number of counties producing coal.....	4
Number of shipping mines.....	21
Number of local mines.....	42
Total number of employees.....	4,284
Total tons of coal produced.....	5,607,881
Days operated, shipping mines, average.....	158
Days operated, local mines, average.....	124
Number of fatal accidents.....	10
Number of non-fatal accidents.....	323
Number of employees to each fatal accident.....	428
Number of employees to each non-fatal accident.....	13.3
Tons of coal produced to each fatal accident.....	560,788
Tons of coal produced to each non-fatal accident.....	17,362
Ratio of fatal accidents per 1,000 employed.....	2.3
Ratio of non-fatal accidents per 1,000 employed.....	75.4

### NEW AND REOPENED MINES.

The United Electric Coal Company has opened a strip mine on a large tract of land near Duquoin, Perry County, and is believed to be the largest strip mine in the world. It is equipped with the latest and most approved machinery and tippie and has a potential capacity of 3,000,000 tons per year.

The Union Colliery Company has reopened the Kathleen Mine at Dowell, Jackson County.

The Pyramid Coal Company, located near Pinckneyville, Perry County, has enlarged and improved its plant and now has approximately 30,000,000 tons of available coal with an average overburden of 40 feet. It is equipped with the latest type of machinery—loading booms, picking tables and coal crusher.

The life of this plant is approximately 30 years, with an average output of 1,000,000 tons per year.

#### MINES NOT OPERATED.

##### Jackson County:

Chicago Fuel Co., Ward.  
DeSoto-Peacock Coal Co., DeSoto.  
Jackson Coal Co., Hollidayboro.  
Spirit of Egypt Coal Co., Ava.

##### Perry County:

Willis Coal & Mining Co., No. 8, Willisville.  
Chicago Fuel Co. No. 2, Cutler.  
Southern Gem Coal Co., No. 6, Pinckneyville.  
Southern Gem Coal Co., No. 7, Cutler.  
Tamaroa-Little Muddy Coal Co., Tamaroa.

##### Randolph County:

Madison Coal Corp., Crystal, Tilden.  
Willis Coal & Mining Co., Nos. 6 and 9, Percy.  
Willis Coal & Mining Co., No. 7, Sparta.

#### MINES OPENED 1921-1929.

##### Jackson County:

Truax-Traer Coal Co., B. S., Elkville.  
Truax-Traer Coal Co., Forsyth, DeSoto.  
Spirit of Egypt Coal Co., Ava.

##### Perry County:

Gayle Coal Co., Duquoin.  
Jewel Coal Co. No. 2, Duquoin.  
Pyramid Coal Co., Pinckneyville.  
Wilson Coal Co., Cutler.  
United Electric Coal Co., Duquoin.

##### Randolph County:

George Wilson Coal Co., Sparta.

#### MINES ABANDONED 1921-1929.

##### Jackson County:

Consolidated Coal Co., Nos. 9 and 10, Murphysboro.  
Gartside Coal Co., No. 4, Murphysboro.

##### Perry County:

Jewel Coal Co., Nos. 1 and 2, Duquoin.  
Paradise Coal Co., Duquoin.  
Aladin Coal Co. No. 1, Cutler.

Southern Gem Coal Co., No. 8, Pinckneyville.  
 Victory Colliery Co., Duquoin.  
 Willis Coal Co. No. 1, Willisville.  
 Kanawha Fuel Co., Duquoin.

Randolph County:

Madison Coal Corp., Tilden.  
 Randolph Co. Coal Co., Coulterville.  
 Wilson Bros. Coal Co., Sparta.

Mines in 1920 .....	39
Mines opened 1921-1929 .....	9
Mines abandoned 1921-1929 .....	14
Mines in 1929 .....	34
Mines operated, 1929 .....	21
Mines idle, 1929 .....	13

FATAL ACCIDENTS.

February 6, Lawrence Raines, miner, age 30 years, married, was killed by a shot explosion in Willard Morgan's mine. He leaves a widow and five children.

February 8, Robert Gerberding, miner, age 17 years, single, died from injuries received two days earlier, in Willard Morgan's mine, by a shot explosion.

April 2, William Ridgeway, driver, age 37 years, married, was run over by pit cars and killed, in Perry Coal Company's Perco mine. He leaves a widow and three children.

April 9, Orval Heape, laborer, age 21 years, single, was electrocuted in Gayle Coal Company's mine.

May 8, James Vaughn, laborer, age 59 years, married, was killed in Centralia Coal Company's mine, by a fall of slate. He leaves a widow and two children.

June 19, William Tureen, triprider, age 21 years, single, was killed by pit cars in Union Collieries' mine.

July 22, Roy M. Quigley, loading machine operator, age 43 years, married, was killed in Union Colliery Company's Kathleen mine, by a fall of slate. He leaves a widow and four children.

August 2, Joe Corretto, wireman, age 46 years, married, was killed by pit cars in Union Colliery Company's mine. He leaves a widow.

August 9, W. H. Lloyd, miner, age 35 years, single, died under peculiar circumstances, after being taken out of the mine of Moffat Coal Company. The doctor who treated him could not certify as to the cause of death without an autopsy. The Coroner's verdict was to the same effect, and as there was no sign anywhere in the mine of an accident, nor any marks on his body to indicate an injury, we have not charged this death to mine fatalities.

September 9, Albert C. Day, laborer, age 31 years, widower, was electrocuted in the strip mine of the Pyramid Coal Corporation. He leaves two children.

October 19, Kirk Harriss, foreman, age 36 years, married, was killed by falling slate in Union Colliery's mine. He leaves a widow and one child.

Respectfully submitted,

EDWARD FLYNN,

*Inspector.*

## FATAL CASUALTIES, NINTH DISTRICT, 1929.

Date, 1929.	Name.	Age.	Occupation.	Residence.	Name of operator of mine.	Num- ber or letter of mine.	Married.	Single.	Widow.	Children.	Dependents.	Cause of death.
Feb. 6	Lawrence Raines.....	30	Miner.....	Ava.....	Willard Morgan.....		1				6	Shot explosion.
Feb. 8	Robert Gerberding.....	17	Laborer.....	Ava.....	Willard Morgan.....			1				Shot explosion.
April 2	Wm. Ridgway.....	37	Driver.....	Coulterville.....	Perry Coal Co.....	Perry	1		1	3	4	Pit car.
April 9	Orval Heape.....	21	Laborer.....	DuQuoin.....	Gayle Coal Co.....			1				Electrocuted.
May 8	James Vaughn.....	59	Laborer.....	Centralia.....	Centralia Coal Co.....		1		1	2	3	Falling slate.
June 19	Wm. Turcen.....	21	Triprider.....	Dowell.....	Union Colliery Co.....			1			1	Pit car.
July 22	Roy M. Quigley.....	43	Machine man.....	Dowell.....	Union Colliery Co.....		1		1	4	5	Falling slate.
Aug. 2	Joe Corrado.....	46	Wisman.....	Dowell.....	Union Colliery Co.....		1		1		1	Pit car.
Sept. 9	A. C. Day.....	31	Laborer.....	Pinckneyville.....	Pyramid Coal Corp.....			1		2	2	Electrocuted.
Oct. 19	Kirk Harris.....	36	Foreman.....	Dowell.....	Union Colliery Co.....		1		1	1	2	Falling slate.



## NON-FATAL ACCIDENTS, NINTH DISTRICT.

Name of operator.	Number injured.	Not re- turned.	Days lost by men returned.		Cause of injury.	Number injured.	Not re- turned.	Days lost by men returned.	
			Total.	Average.				Total.	Average.
Bailey Bros.	2	2	227	25	Fall of person.	25	3	735	33
Brewerton Coal Co., No. 45.	9		931	23	Fall of roof and sides.	46	8	1,290	34
Centralia Coal Co.	47	6	183	23	Haulage.	48	8	1,180	30
Clarkson Coal Co.	9	1	789	24	Lifting.	29	4	642	26
Crerar-Clinch Coal Co.	33		124	41	Machinery.	13	1	328	25
Gayle Coal Co.	3		145	29	Struck by objects.	133	9	2,759	22
Jones Bros Coal Co., No. 2.	5		871	55	Miscellaneous.	8		159	20
Moffat Coal Co.	18	2	326	65	Not stated.	21	1	456	24
Perfection Coal Co.	5		662	24					
Perry Coal Co., Perco.	37	9	250	15					
Pyramid Coal Co.	19		720	28					
St. Louis Coal Co.	26		715	26					
Security Coal Co.	35	7	127	25					
Truax-Traer Coal Co., B. S.	6	1	425	85					
Truax-Traer Coal Co., Forsyth.	5	1	27	27					
Templeton Bros. Coal Co.	1		815	20					
Templeton & Foster.	1		54	11					
Union Colliery Co.	45	4	138	13					
United Electric Coal Co., No. 11.	12	1							
Wilson Coal Co.									
Total.	323	34	7,569	26		323	34	7,569	26

## JACKSON COUNTY

Number.	Name of operator.	Post office address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to loco-motives.	Tons sold to local trade.
SHIPPING MINES.							
1	Union Colliery Co.	Dowell	632,107	598,356	23,066		989
2	Truax Traer Coal Co., B. S.	Elkville	509,138	205,754	302,784		600
3	Truax Traer Coal Co., Fors	DeSoto	386,799	203,566	182,483		750
Total			1,528,044	1,007,676	508,333		2,339
LOCAL MINES.							
1	Miller Coal Co.	Carbondale	9,000				9,000
2	Big Muddy Coal Co.	Murphysboro	8,673				8,573
3	Templeton Bros. Coal Co.	Murphysboro	7,932				7,932
4	Swofford Coal Co.	Carbondale	6,000				6,000
5	Replogle & Sons	Murphysboro	2,723				2,723
6	Mausedhart & Henderson	Carbondale	2,000				2,000
7	Schott, Jay & Higginson	Campbell Hill	1,880				1,880
8	Darby & Ellis	Murphysboro	1,450				1,450
9	E. H. Birkner	Oraville	1,212				1,212
10	Spirit of Egypt Mine	Ava	1,200				1,200
11	East Side Coal Co.	Carbondale	1,164				1,164
12	Wilkinson Bros.	DeSoto	750				750
13	Nelson & McCutchen	Carbondale	700				700
14	Willard Morgan	Ava	600				600
15	Frank Schmidgall	DeSoto	571				571
16	Tindall & Foster	Carbondale	550				550
17	O. R. Moss	Ava	515				515
18	W. E. Heifle	Murphysboro	500				500
19	Morgan Coal Co.	Ava	450				450
20	H. S. Phillips	Carbondale	430				430
21	Will Young & Son	Carbondale	208				208
22	R. Schadwich	Makanda	120				120
23	B. A. Schimff	Vergennes	80				80
Total			48,708				48,608
Total 26 mines			1,576,752	1,007,676	518,333		50,947

## PERRY COUNTY

<b>SHIPPING MINES.</b>							
1	Pyramid Coal Co.	Pinckneyville.	931,732	485,010	438,022	-----	600
2	Crerar Clinch Coal Co.	Duquoin.	489,524	468,704	2,248	-----	834
3	Gayle Coal Co.	Duquoin.	374,288	345,503	27,432	-----	187
4	Ferry Coal Co., "Perco"	Coulterville.	292,071	183,514	100,022	-----	2,370
5	Security Coal & Mining Co., No. 1.	Duquoin.	237,382	108,384	43,200	66,265	1,283
6	Perfection Coal Co.	Duquoin.	205,985	110,549	52,669	28,076	14,691
7	United Electric Coal Co., No. 11.	Duquoin.	145,125	97,797	39,275	-----	-----
8	Wilson Coal & Mining Co.	Cutler.	109,216	106,356	-----	-----	1,200
9	Brewerton Coal Corp., No. 45.	Pinckneyville.	106,389	14,304	62,370	23,893	4,527
10	Deleo Mining Co.	Swannick.	28,649	24,580	-----	-----	356
11	Bailey Bros. Coal Co.	Duquoin.	5,675	2,710	-----	-----	2,825
	Total.	-----	2,923,936	1,947,501	765,238	118,234	28,873

## NINTH DISTRICT.

Disposition of output—tons.				Explosives used for blasting coal.				Number of—						
Tons consumed at the mine.	All coal not sold including waste.	Total employees.	Days of active operation.	Powder—kgs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.	Mining machines.	Motors.	Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
9,696	440	195					109,800	20	25	632,107		509,138		1
	145	248			65,763							386,799		2
	135	212			68,253									3
9,696	720	218			134,016		109,800	20	25	632,107		895,937		
100	26	134						1		8,673	9,000			1
	25	163		125				1		7,932				2
	12	152		172				1						3
	10	100		500							6,000			4
	11	165		196							2,723			5
	5	96		100							2,000			6
	2	180		150							1,880			7
	5	150		75							1,450			8
	5	101		104							1,212			9
	7	30									1,200			10
	6	90		50							1,164			11
	6	52									750			12
	4	75		27							700			13
	5	120		20							600			14
	4	75		30							571			15
	4	14		180							550			16
	1	210		22							515			17
	1	200		25							500			18
	4	100										450		19
	3	63		38							430			20
	4	100		1							208			21
	3	30									120			22
	2	25		4							80			23
100	155	105		1,819				2		16,605	31,653	450		
100	9,696	875	118	1,819	134,016		109,800	22	25	648,712	31,653	896,387		

## NINTH DISTRICT.

8,100		175	279									931,732		1
13,620	4,028	595	140				57,475	18	12	452,205	37,319		18	2
1,166		83	257	227		2,070	20,800					374,288		3
6,165		247	248	3,524	17,275			9	2	225,275	66,796		17	4
18,250		264	172	396	66,600			8	3	237,382			18	5
		50	196			4,000						205,985		6
1,200	6,853	200	61									145,125		7
1,660		99	166	4,695	4,700			1		15,109	94,107		6	8
1,295		150	166	4,432					1		106,389		9	9
150	1,463	162	33	1,022				4	1	11,959	14,590		8	10
140		13	120	150				1	1	5,675			2	11
51,746	12,344	2,038	167	14,446	88,575	6,070	78,275	41	20	947,605	319,201	1,657,130	78	

## PERRY COUNTY

Number.	Name of operator.	Post office address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to loco-motives.	Tons sold to local trade.
LOCAL MINES.							
1	Tamaroa Coal Co.....	Tamaroa.....	4,530				4,500
2	Biby Coal Co.....	Pinckneyville.....	3,953				3,953
3	Patrick Coal Co.....	Duquoin.....	2,400				2,250
4	Fred J. Domes.....	St. John.....	1,463				1,463
5	Wilson & Bird.....	Pinckneyville.....	1,400				1,200
6	Ray Campbell.....	Duquoin.....	1,028				1,028
7	Carter Coal Co.....	Cutler.....	930				930
8	T. J. Howell.....	Duquoin.....	735				735
9	J. M. Clayton.....	Duquoin.....	138				138
Total.....			16,577				16,197
Total 20 mines.....			2,940,513	1,947,501	737,806	118,234	45,070

## RANDOLPH COUNTY

SHIPPING MINES.							
1	Moffat Coal Co.	Sparta	251,096	24,632	221,620		
2	St. Louis Coal Co.	Coulterville	158,449	132,976	20,125		
3	Jones Bros., No. 2	Marissa	59,734	50,458			6,956
4	Sparta Coal Co.	Sparta	48,860		47,910		
5	Geo. Wilson Coal Co.	Sparta	1,150	320			830
Total			519,289	208,386	289,655		7,786
LOCAL MINES.							
1	Lemon & McKelvie	Sparta	20,055				19,655
2	Syndicate Mining Co.	Percy	10,000				9,635
3	Crain Coal Co.	Percy	5,008				4,608
4	Harry Robertson	Sparta	4,550				3,820
5	Blain Coal Co.	Sparta	3,279				3,279
6	John Risry	Sparta	1,800				1,000
7	Beveredge Coal Co.	Sparta	704				600
8	Samuel Stevenson	Sparta	299				299
Total			45,695				42,896
Total 13 mines			564,984	208,386	289,655		50,682

## WASHINGTON COUNTY

SHIPPING MINES.							
1	Centralia Coal Co., No. 5	Centralia	405,118	137,213	249,692		4,971
2	Clarkson Coal & Mining Co.	Nashville	113,314	30,846		67,957	10,511
Total			518,432	168,059	249,692	67,957	15,482
LOCAL MINES.							
1	Darmstadt Coal Co.	Lenzburg	3,600				3,000
2	A. Brockschmidt	Venedy	3,600				3,600
Total			7,200				6,600
Total 4 mines			525,632	168,059	249,692	67,957	22,082

## NINTH DISTRICT—Concluded.

Disposition of output—tons.		Total employees.	Days of active operation.	Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
Tons consumed at the mine.	All coal not sold including waste.			Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.	Mining machines.	Motors.					
30		11	262	248							4,530			1
		10	78	148							3,953			2
150		5	134	150							2,400			3
		6	154	30							1,463			4
200		7	90	50							1,400			5
		3	65	65							1,028			6
		4	175	82							930			7
		1	184	30							735			8
		3	38								138			9
380		50	131	803							16,577			
52,126	12,344	2,088	151	15,249	88,575	6,070	78,275	41	20	947,605	335,778	1,657,130	78	

## NINTH DISTRICT.

4,844		376	99	3,586			1,700	14	5	251,096			30	1
5,348		262	92	2,003				12	1	158,449			16	2
2,320		156	88	2,489							59,734		6	3
630	320	127	63	421		100		5	2	48,860			7	4
		14	44	60							1,150		3	5
13,142	320	935	77	8,559		100	1,700	31	9	458,405	60,884		62	
400		15	192	220				1		17,555	2,500			1
365		10	250	700							10,000			2
490		4	200		1,500			1		5,008				3
730		11	111	264							4,550			4
		7	287	317							3,279			5
800		3	200	100							1,800			6
104		5	72	22							704			7
		4	50								299			8
2,799		59	170	1,623	1,500			2		22,563	23,132			
15,941	320	994	134	10,182	1,500	100	1,700	33	9	480,968	84,016		62	

## NINTH DISTRICT.

13,242		208	215			60,525	8	13	405,118				1	1
4,000		110	231	1,135			5	1	113,314				4	2
17,242		318	223	1,135		60,525	13	14	518,432				5	
600		4	150	125							3,600			1
		5	100								3,600			2
600		9	135	125							7,200			
17,842		327	174	1,260		60,525	13	14	518,432		7,200		5	

## SHIPPING MINES, RECAPITULATION

County.	Number of mines.	Total tons mined.	Disposition of output in tons.					
			Loaded on cars for shipment.	Sold to railroad companies.	Supplied to locomotives.	Sold to local trade.	Used at the mine.	All coal not sold, including waste.
Jackson.....	3	1,528,044	1,007,676	508,333	-----	2,339	-----	9,696
Perry.....	11	2,923,936	1,947,501	765,238	118,234	28,873	51,746	12,344
Randolph.....	5	519,289	208,386	289,655	-----	7,786	13,142	320
Washington.....	2	518,432	168,059	249,692	67,957	15,482	17,242	-----
Total.....	21	5,489,701	3,331,622	1,812,918	186,191	54,480	82,130	22,360

## LOCAL MINES, RECAPITULATION

Jackson.....	23	48,708	-----	-----	-----	48,608	100	-----
Perry.....	9	16,577	-----	-----	-----	16,197	380	-----
Randolph.....	8	45,695	-----	-----	-----	42,896	2,799	-----
Washington.....	2	7,200	-----	-----	-----	6,600	600	-----
Total.....	42	118,180	-----	-----	-----	114,301	3,879	-----

## RECAPITULATION, ALL MINES

Jackson.....	26	1,576,752	1,007,676	518,333	-----	50,947	100	9,696
Perry.....	20	2,940,513	1,947,501	765,238	118,234	45,070	52,126	12,344
Randolph.....	13	564,984	208,386	289,655	-----	50,682	15,941	320
Washington.....	4	525,632	168,059	249,692	67,957	22,082	17,842	-----
Total.....	63	5,607,881	3,331,622	1,812,918	186,191	168,781	86,009	22,360

## BY COUNTIES, NINTH DISTRICT.

Total employees.	Days operated.	Explosives used for blasting coal.				Number of mining machines used.	Number of motors in use.	Tons mined by—			Number of animals underground.
		Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.			Machine.	Hand.	Stripping.	
720	218	-----	134,016	-----	109,800	20	25	632,107	-----	895,937	-----
2,038	167	14,446	88,575	6,070	78,275	41	20	947,605	319,201	1,657,130	78
935	77	8,559	-----	100	1,700	31	9	458,405	60,884	-----	62
318	223	1,135	-----	-----	60,525	13	14	518,432	-----	-----	5
4,011	158	24,140	222,591	6,170	250,300	105	68	2,556,549	380,085	2,553,067	145

## BY COUNTIES, NINTH DISTRICT.

155	105	1,819	-----	-----	-----	2	-----	16,605	31,653	450	-----
50	131	803	-----	-----	-----	-----	-----	-----	16,577	-----	-----
59	170	1,623	1,500	-----	-----	2	-----	22,563	23,132	-----	-----
9	125	125	-----	-----	-----	-----	-----	-----	7,200	-----	-----
273	124	4,370	1,500	-----	-----	4	-----	39,168	78,562	450	-----

## BY COUNTIES, NINTH DISTRICT.

875	118	1,819	134,016	-----	109,800	23	-----	648,712	31,653	896,387	-----
2,088	151	15,249	88,575	6,070	78,275	41	-----	947,605	335,778	1,657,130	-----
994	134	10,182	1,500	100	1,700	33	-----	480,968	84,016	-----	-----
327	174	1,260	-----	-----	60,525	13	-----	518,432	7,200	-----	-----
4,284	136	28,510	224,091	6,170	250,300	109	68	2,505,717	458,647	2,553,517	145

## TENTH DISTRICT

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*Hon. John G. Millhouse, Director,  
Department of Mines and Minerals,  
Springfield, Illinois.*

SIR: I have the honor of submitting to you the report of this the Tenth Inspection District, comprising the coal producing county of Franklin, for the year ended December 31, 1929.

The following is a summary of the items shown in the report:

Number of counties producing coal.....	1
Number of shipping mines.....	18
Number of local mines.....	.....
Total number of employees.....	12,287
Total tons of coal produced.....	14,819,448
Days operated, shipping mines, average.....	194
Days operated, local mines, average.....	.....
Number of fatal accidents.....	35
Number of non-fatal accidents.....	1,801
Number of employees to each fatal accident.....	351
Number of employees to each non-fatal accident.....	6.8
Tons of coal produced to each fatal accident.....	423,413
Tons of coal produced to each non-fatal accident.....	8,228
Ratio of fatal accidents per 1,000 employed.....	2.9
Ratio of non-fatal accidents per 1,000 employed.....	146.6

### MINES NOT OPERATED.

C. W. & F. Coal Company's Nos. 1 and 2, Benton.  
Old Ben Coal Corporation's Nos. 9 and 10, West Frankfort.  
Old Ben Coal Corporation No. 16, Sesser.  
Old Ben Coal Corporation No. 19, Rend.  
Western Coal & Mining Co., Bush.  
U. S. Fuel Company, M. F., Benton.  
Illinois Coal Corporation No. 10, Nason.

### MINES OPENED 1921-1929.

C. W. & F. Coal Co. No. 2, West Frankfort, Franklin County.  
Illinois Coal Corporation, No. 10 mine, Nason, Jefferson County.

### MINES ABANDONED 1921-1929.

Franklin Co. Coal & Coke Co., No. 2 mine, Royalton, Franklin County.

Mines in 1920 .....	26
Mines opened 1921-1929 .....	2
Mines abandoned 1921-1929 .....	1
Mines in 1929 .....	27
Mines operated 1929 .....	18
Mines idle 1929.....	9



## FATAL ACCIDENTS.

January 18, John G. Logan, miner, age 27 years, married, was caught between pit car and coal rib and crushed to death in Chicago, Wilmington & Franklin Coal Company's No. 1 mine. He leaves a widow and one child.

January 23, Joseph Camus, miner, age 40 years, was killed in Bell & Zollar Mining Company's No. 1 mine, by a fall of coal. He leaves a widow.

February 18, Robert Rotramel, triprider, age 29 years, single, was killed by pit cars in Chicago, Wilmington & Franklin Coal Company's No. 2 mine.

February 23, Dyer Soper, triprider, age 28 years, married, died from injuries received the day before by a shot explosion in Bell & Zollar Mining Company's No. 1 mine. He leaves a widow.

February 26, Pete Folapek, loader, age 58 years, single, died from blood poison, caused by a lump of coal falling off car and striking his leg on January 26, in Bell & Zollar Mining Company's No. 1 mine.

May 25, William Lolovich, machine man, age 40 years, single, was killed in Bell & Zollar Mining Company's No. 1 mine by a fall of coal.

June 4, Frank Romanski, loader, age 42 years, married, was killed by a fall of coal in Bell & Zollar Mining Company's No. 1 mine. He leaves a widow and five children.

June 8, Morris Ciacetto, miner, age 45 years, married, was instantly killed by a fall of coal in Old Ben Coal Corporation's No. 14 mine. He leaves a widow and five children.

June 8, Edigo Moschino, brattice man, age 19 years, single, was caught between cage and bunton and instantly killed in Valier Coal Company's mine.

June 21, Frank Rauback, machine man, age 21 years, single, was killed by a fall of coal in Old Ben Coal Corporation's No. 15 mine.

June 24, Grant Morrison, timberman, age 67 years, single, was killed in Peabody Coal Company's No. 15 mine by a fall of coal.

June 30, Richard Prudent, face boss, age 28 years, married, was killed by a fall of rock in Bell & Zollar Mining Company's No. 1 mine. He leaves a widow.

July 16, William Mulkey, trip rider, married, was run over by pit cars and killed in Franklin County Coal Company's No. 7 mine.

July 29, Arthur H. Giles, machine man, age 31 years, married, died from injuries received one week earlier in Chicago, Wilmington & Franklin Coal Company's No. 2 mine. Deceased stepped up on running board of machine, his head and shoulders struck the roof, and he fell, striking a switch lug. He leaves a widow and one child.

August 23, Tony Balko, wireman, age 28 years, married, was killed by a motor, in Chicago, Wilmington & Franklin Coal Company's No. 1 mine. He leaves a widow.

August 30, Edward McAllister, laborer, age 67 years, was killed by a fall of shale in Old Ben Coal Corporation's No. 8 mine.

September 6, David McNeill, loading machine helper, age 37 years, married, died from injuries sustained August 31st, by a fall of coal in Brewerton Coal Company's No. 22 mine. He leaves a widow and three children.

September 28, John Boggio, machine runner, age 38 years, married, died from injuries received February 21, by a fall of coal in Old Ben Coal Corporation's No. 15 mine. Deceased had finished cutting his room and knocking out jack pipe, which had been set on some loose coal; the coal fell, breaking his back. He leaves a widow and three children.

October 1, Anton Bondi, loader, age 42 years, married, was killed in Bell & Zollar Coal & Mining Company's No. 1 mine by a fall of rock. He leaves a widow and two children.

October 5, Tony Otwrik, triprider, age 26 years, single, was caught between car and motor and crushed to death in Brewerton Coal Company's No. 22 mine.

October 16, U. G. Hodgson, loader, age 58 years, single, was killed by a fall of rock in Peabody Coal Company's No. 18 mine.

October 14, L. F. Casey, miner, age 56 years, married, was killed in Franklin County Coal Company's No. 5 mine by a fall of coal. He leaves a widow and six children.

November 2, Peter Bondolli, loader, age 46 years, widower, was killed by a fall of coal in Old Ben Coal Corporation's No. 8 mine. He leaves one child.

November 9, August Cavillo, machine man, age 37 years, married, was killed in Bell & Zollar Mining Company's No. 1 mine, by a fall of coal. He leaves a widow.

December 1, at 2:30 a. m., an explosion of gas occurred in No. 8 mine, Old Ben Coal Corporation, causing the death of seven men.

The usual data concerning these men is given below :

Name.	Occupation.	Age.	Dependents.
Thomas McDermott.....	Examiner.....	60	None
Dewey Baker.....	Motorman.....	31	3
Jewel Baker.....	Triprider.....	29	3
Vito Garidini.....	Laborer.....	32	2
Henry Isaacs.....	Triprider.....	25	2
E. E. Berdon.....	Motorman.....	34	3
James Tabor.....	Assistant night boss.....	36	3

December 2, Peter Ponzi, loader, age 66 years, widower, died from injuries received August 9, in Old Ben Coal Corporation's No. 8 mine. Deceased was loading coal when some coal fell, and, in getting out of the way of the fall, he fell down. He was not struck, and resumed his work. He became dizzy and then unconscious, was taken out of the mine, and then to a hospital in St. Louis, where he died.

December 3, Mike Sessock, machine runner, age 37 years, married, died from injury received the day before by a fall of coal in Old Ben Coal Corporation's No. 14 mine. He leaves a widow and four children.

December 13, Mault Auten, laborer, age 36 years, married, was killed by being caught in the tipple machinery, in Old Ben Coal Corporation's No. 14 mine. He leaves a widow and one child.

December 14, Clarence Holland, shotfirer, age 45 years, married, was killed in Old Ben Coal Corporation's No. 11 mine by a fall of rock. He leaves a widow and one child.

Respectfully submitted,

JAMES SNEDDON,

*Inspector.*

## FATAL CASUALTIES, TENTH DISTRICT, 1929.

Date, 1929.	Name.	Age.	Occupation.	Residence.	Name of operator of mine.	Num- ber or letter of mine.	Married.	Single.	Widow.	Children.	Dependents.	Cause of death.
Jan.	18 John G. Logan.....	27	Miner.....	West Frankfort.....	C., W. & F. Coal Co.....	1	1	1	1	1	2	Pit car.
Jan.	23 Joseph Camus.....	40	Miner.....	Zeigler.....	Bell & Zollner Coal Co.....	1	1	1	1	1	1	Falling coal.
Feb.	18 Robert Rotramel.....	29	Triprider.....	West Frankfort.....	C., W. & F. Coal Co.....	2	1	1	1	1	1	Pit car.
Feb.	23 Dyer Soper.....	28	Triprider.....	Zeigler.....	Bell & Zollner Coal Co.....	1	1	1	1	1	1	Shot explosion.
Feb.	20 Pete Folapek.....	58	Loader.....	Zeigler.....	Bell & Zollner Coal Co.....	1	1	1	1	1	1	Blood poison from wound.
May	25 Wm. Lolovich.....	40	Machine man.....	Zeigler.....	Bell & Zollner Coal Co.....	1	1	1	1	1	1	Falling coal.
June	4 Frank Romanowski.....	42	Loader.....	Zeigler.....	Bell & Zollner Coal Co.....	1	1	1	1	1	1	Falling coal.
June	8 Morris Giacetto.....	45	Miner.....	Buckner.....	Old Ben Coal Corp.....	14	1	1	1	1	1	Falling coal.
June	8 Edgigo Moschino.....	19	Bratticeman.....	Coello.....	Valier Coal Co.....	1	1	1	1	1	1	Caught between cage and buntion.
June	21 Frank Ranback.....	21	Machine man.....	West Frankfort.....	Old Ben Coal Corp.....	15	1	1	1	1	1	Falling coal.
June	24 Grant Morrison.....	67	Timberman.....	West Frankfort.....	Peabody Coal Co.....	18	1	1	1	1	1	Falling coal.
June	30 Richard Prudent.....	28	Face boss.....	Zeigler.....	Bell & Zollner Coal Co.....	1	1	1	1	1	1	Falling rock.
July	18 William Mulkey.....	37	Triprider.....	Royalton.....	Franklin County Coal Co.....	7	1	1	1	1	1	Pit cars.
July	29 Arthur H. Giles.....	31	Machine man.....	Benton.....	C., W. & F. Coal Co.....	2	1	1	1	1	1	Fail of person.
Aug.	23 Tony Balko.....	28	Wireman.....	Orient.....	C., W. & F. Coal Co.....	1	1	1	1	1	1	Motor.
Aug.	30 Edward McAllister.....	67	Laborer.....	West Frankfort.....	Old Ben Coal Corp.....	8	1	1	1	1	1	Falling shale.
Sept.	6 David McNeill.....	37	Loading machine man.....	Sesser.....	Brewerton Coal Co.....	22	1	1	1	1	1	Falling coal.
Sept.	28 John Boggio.....	38	Machine man.....	West Frankfort.....	Old Ben Coal Corp.....	15	1	1	1	1	1	Falling coal.
Oct.	1 Anton Bondi.....	42	Loader.....	Zeigler.....	Bell & Zollner Coal Co.....	1	1	1	1	1	1	Falling rock.
Oct.	5 Tony Otzwik.....	26	Triprider.....	Sesser.....	Brewerton Coal Co.....	22	1	1	1	1	1	Motor and car.
Oct.	14 F. Casey.....	56	Miner.....	Herrin.....	Franklin County Coal Co.....	5	1	1	1	1	1	Falling coal.
Oct.	18 U. G. Hodgson.....	58	Loader.....	West Frankfort.....	Peabody Coal Co.....	18	1	1	1	1	1	Falling coal.
Nov.	2 Peter Boudell.....	46	Loader.....	West Frankfort.....	Old Ben Coal Corp.....	8	1	1	1	1	1	Falling coal.
Nov.	6 August Cuvillo.....	37	Machine man.....	Zeigler.....	Bell & Zollner Coal Co.....	1	1	1	1	1	1	Falling coal.
Dec.	1 Thomas McDermott.....	60	Mine examiner.....	West Frankfort.....	Old Ben Coal Corp.....	8	1	1	1	1	1	Gas explosion.
Dec.	1 Dewey Baker.....	31	Moorman.....	West Frankfort.....	Old Ben Coal Corp.....	8	1	1	1	1	1	Gas explosion.
Dec.	1 Jewel Barker.....	29	Triprider.....	West Frankfort.....	Old Ben Coal Corp.....	8	1	1	1	1	1	Gas explosion.
Dec.	1 Veto Gardini.....	25	Laborer.....	West Frankfort.....	Old Ben Coal Corp.....	8	1	1	1	1	1	Gas explosion.
Dec.	1 Henry Isaacs.....	32	Triprider.....	West Frankfort.....	Old Ben Coal Corp.....	8	1	1	1	1	1	Gas explosion.
Dec.	1 E. E. Bardon.....	24	Moorman.....	West Frankfort.....	Old Ben Coal Corp.....	8	1	1	1	1	1	Gas explosion.
Dec.	1 James Labor.....	36	Assistant boss.....	West Frankfort.....	Old Ben Coal Corp.....	8	1	1	1	1	1	Gas explosion.
Dec.	2 Peter Founz.....	36	Loader.....	West Frankfort.....	Old Ben Coal Corp.....	8	1	1	1	1	1	Unknown.
Dec.	3 Mike Sessock.....	37	Machine man.....	Buckner.....	Old Ben Coal Corp.....	14	1	1	1	1	1	Falling coal.
Dec.	13 Mault Anten.....	36	Laborer.....	Benton.....	Old Ben Coal Corp.....	14	1	1	1	1	1	Tippie machinery.
Dec.	14 Clarence Holland.....	45	Shot firer.....	Christopher.....	Old Ben Coal Corp.....	11	1	1	1	1	1	Falling rock.

## NON-FATAL ACCIDENTS, TENTH DISTRICT.

Name of operator.	Number injured.	Days lost by men returned.		Not returned.	Cause of injury.	Number injured.	Not returned.	Days lost by men returned.	
		Total.	Average.					Total.	Average.
Bell & Zollar Mining Co., No. 1	177	4,233	24		Fall of person.	113		3,864	34
Bell & Zollar Mining Co., No. 2	139	3,962	29		Falls of roof and sides	434	15	15,614	37
Black Star Coal Co.	54	1,573	31	3	Haulage	264	4	10,076	37
Brewerton Coal Co., No. 21	28	761	27		Lifting	230		5,759	25
Brewerton Coal Co., No. 22	21	978	47		Machinery	83	2	3,080	38
C. W. & F. Coal Co., No. 1	175	4,177	24	3	Struck by objects	585	4	13,645	23
C. W. & F. Coal Co., No. 2	171	5,001	30	4	Miscellaneous	57		1,242	22
Franklin County Coal Co., No. 5	59	1,833	32	1	Not stated	35	2	1,185	36
Franklin County Coal Co., No. 7	120	2,750	23	1					
Franklin County Mining Co.	63	1,431	23	1					
Old Ben Coal Corp., No. 8	127	4,929	39						
Old Ben Coal Corp., No. 11	45	1,040	23						
Old Ben Coal Corp., No. 12	15	386	26						
Old Ben Coal Corp., No. 14	187	6,794	36						
Old Ben Coal Corp., No. 15	144	4,610	34						
Peabody Coal Co., No. 18	118	3,707	32	5					
Peabody Coal Co., No. 19	88	3,593	41						
Valer Coal Co.	70	2,697	41	5					
Total	1,801	54,465	31	27		1,801	27	54,465	31

## FRANKLIN COUNTY

Number.	Name of operator.	Post office address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to loco-motives.	Tons sold to local trade.
SHIPPING MINES.							
1	C., W. & F. Coal Co.	West Frankfort	1,952,327	1,460,511	401,103		7,937
2	Bell & Zoller Coal & Mining Co., No. 1	Zeigler	1,448,364	1,107,612	240,028		10,386
3	Bell & Zoller Coal & Mining Co., No. 2	Zeigler	1,329,483	1,117,232	179,096		1,615
4	C., W. & F. Coal Co., No. 1	Orient	1,299,612	1,101,233	159,696		2,478
5	Old Ben Coal Corp., No. 14	Buckner	1,036,366	869,242	134,876		7,265
6	Old Ben Coal Corp., No. 8.	West Frankfort	939,633	785,017	125,440		8,356
7	Old Ben Coal Corp., No. 15	Ezra	937,688	766,073	143,278		1,336
8	Franklin County Coal Co., No. 7	Royalton	821,188	562,603	205,240		6,461
9	Valier Coal Co., No. 1	Valier	811,266		806,168		2,991
10	Franklin County Coal Co., No. 5	Herrin	796,919	726,384	39,451		4,820
11	Peabody Coal Co., No. 18	West Frankfort	919,639	752,597	120,462		3,455
12	Peabody Coal Co., No. 19	West Frankfort	673,698	650,286			5,260
13	Brewerton Coal Corp., No. 21	West Frankfort	439,111	389,089	25,669		5,994
14	Old Ben Coal Corp., No. 11	Christopher	396,732	319,284	36,458		3,287
15	Franklin County Mining Co.	Benton	387,367	330,824	31,062		19,069
16	Brewerton Coal Co., No. 22	Sesser	264,981	200,805	39,832		3,144
17	Black Star Coal Co.	Logan	191,339	124,182	53,439		2,835
18	Old Ben Coal Corp., No. 12	Christopher	173,735	146,466	23,015		3,917
Total			14,819,448	11,409,440	2,764,313		100,606

## TENTH DISTRICT.

Disposition of output—tons.		Total employees.	Days of active operation.	Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
Tons consumed at the mine.	All coal not sold including waste.			Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.	Mining machines.	Motors.					
4,691	78,085	1,244	201	-----	-----	-----	222,950	60	63	1,952,327	-----	-----	-----	1
21,123	69,215	720	244	-----	-----	4,200	161,470	35	50	1,447,176	1,188	-----	-----	2
20,239	11,301	1,024	189	-----	-----	-----	156,775	36	29	1,328,464	1,019	-----	1	3
18,741	17,464	1,124	214	-----	-----	-----	145,100	48	25	1,294,170	5,442	-----	-----	4
2,495	22,488	712	264	-----	-----	-----	186,017	24	25	1,036,366	-----	-----	-----	5
861	19,959	686	204	-----	-----	-----	145,595	22	33	939,633	-----	-----	-----	6
7,609	19,392	542	250	-----	-----	-----	162,330	17	22	937,688	-----	-----	-----	7
14,697	32,187	780	191	-----	-----	-----	119,075	28	21	762,604	58,584	-----	-----	8
1,993	114	819	173	-----	-----	3,175	106,875	50	36	804,828	6,438	-----	-----	9
13,423	12,841	720	228	-----	-----	-----	146,075	22	6	621,904	175,015	-----	-----	10
6,491	36,634	859	208	-----	-----	-----	162,450	48	24	919,639	-----	-----	-----	11
8,519	9,633	603	223	-----	-----	-----	90,500	23	3	673,698	-----	-----	28	12
6,485	11,874	310	231	-----	-----	-----	70,000	13	18	439,111	-----	-----	2	13
781	36,922	685	102	-----	-----	-----	43,000	40	21	392,579	4,153	-----	-----	14
3,512	2,900	395	211	-----	-----	-----	63,900	16	9	383,617	3,750	-----	23	15
7,444	13,756	255	148	-----	-----	-----	25,000	9	15	247,231	17,750	-----	-----	16
8,981	1,902	196	150	-----	-----	-----	31,650	8	2	191,339	-----	-----	12	17
337	-----	613	55	-----	-----	-----	19,525	25	16	165,631	8,104	-----	-----	18
148,422	396,667	12,287	194	-----	-----	7,375	2,058,287	524	418	14,538,005	281,443	-----	66	

## ELEVENTH DISTRICT

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*Hon. John G. Millhouse, Director,  
Department of Mines and Minerals,  
Springfield, Illinois.*

SIR: I have the honor of submitting to you the report of this the Eleventh Inspection District, comprising the coal producing counties of Gallatin, Saline, Pope, Wabash and White, for the year ended December 31, 1929.

The following is a summary of the items shown in the report:

Number of counties producing coal.....	5
Number of shipping mines.....	14
Number of local mines.....	33
Total number of employees.....	4,964
Total tons of coal produced.....	4,196,839
Days operated, shipping mines, average.....	138
Days operated, local mines, average.....	83
Number of fatal accidents.....	10
Number of non-fatal accidents.....	500
Number of employees to each fatal accident.....	496
Number of employees to each non-fatal accident.....	9.9
Tons of coal produced to each fatal accident.....	419,684
Tons of coal produced to each non-fatal accident.....	8,394
Ratio of fatal accidents per 1,000 employed.....	2.0
Ratio of non-fatal accidents per 1,000 employed.....	100.7

### NEW MINES.

Blue Bird Coal Company, has opened a mine near Harrisburg, Saline County.

### MINES NOT OPERATED.

Dodds Coal Company, Carrier Mills.  
O'Gara Coal Company Nos. 8 and 15, Harrisburg.  
Saline Valley Coal Company, Harco.  
Peabody Coal Company Nos. 42, 44 and 46, Harrisburg.

### MINES OPENED 1921-1929.

Saline County:

Harrisburg Coal Mining Company, Nos. 1, 2, 4, 8, 9, Harrisburg.  
Rhonda Coal Company, Harrisburg.  
Saline Co. Coal Corporation No. 4, Harrisburg.  
Blue Bird Coal Company, Harrisburg.



## MINES ABANDONED 1921-1929.

## Gallatin County:

Saline River Col. Co., Equality.

Turns Coal Co., Equality.

## Saline County:

Harrisburg Fuel Co., Harrisburg.

Harrisburg Coal Mining Co. Nos. 1, 2, 4, Harrisburg.

O'Gara Coal Co., Nos. 9 and 11, Harrisburg.

Heato Coal Co., Carrier Mills.

Saline Gas Coal Co., Ledford.

Southern Counties Coal Co., Eldorado.

Saline Co. Coal Corporation No. 43, Galatia.

Mines in 1920 .....	25
Mines opened 1921-1929 .....	8
Mines abandoned 1921-1929 .....	12
Mines in 1929 .....	21
Mines operated in 1929 .....	14
Mines idle 1929 .....	7

## FATAL ACCIDENTS.

January 6, William Digherio, miner, age 39 years, married, was struck by pit cars and killed in J. K. Dering Coal Company's mine. He leaves a widow.

January 10, Lacey Langford, miner, age 21 years, married, was killed in Harrisburg Coal Mining Company's No. 9 mine, by a fall of roof. He leaves a widow.

February 15, William Cawthorn, miner, age 63 years, married, was killed by a mining machine in J. K. Dering Coal Company's mine. He leaves a widow.

February 27, Ben Berkley, miner, age 35 years, married, was killed by pit cars in O'Gara Coal Company's No. 10 mine. He leaves a widow and two children.

April 4, Leland Harwood, triprider, age 28 years, married, was electrocuted in O'Gara Coal Company's No. 12 mine. He leaves a widow and one child.

July 30, Joseph Hill, miner, age 51 years, married, was killed in Wasson Coal Company's No. 1 mine by a fall of coal. He leaves a widow.

September 1, Oscar Sherfield, miner, age 35 years, married, died from injuries sustained by a fall of coal August 27, in Wasson Coal Company's No. 1 mine. He leaves a widow and two children.

September 24, Morris Cephas, miner, age 40 years, single, died from injuries received in O'Gara Coal Company's No. 1 mine by a fall of coal on September 19.

December 13, Ray Finn, driver, age 30 years, married, was killed by pit car in O'Gara Coal Company's No. 1 mine. He leaves a widow.

December 29, Wesley Vinyard, laborer, age 37 years, died from injuries received two days previous, in Wasson Coal Company's No. 2 mine, by a fall of roof. He leaves a widow and two children.

Respectfully submitted,

GEORGE BAGWILL,  
*Inspector.*

## FATAL CASUALTIES, ELEVENTH DISTRICT, 1929.

Date, 1929.	Name.	Age.	Occupation.	Residence.	Name of operator of mine.	No. or letter of mine.	Married.	Single.	Widow.	Children.	Dependents.	Cause of death.
Jan. 6	Wm. Digheio.	29	Miner	Eldorado.	J. K. Dering Coal Co.		1				1	Pit car.
Jan. 10	Lacy Langford.	21	Miner	Harrisburg.	Harrisburg Coal Mining Co.	9	1		1		1	Falling roof.
Jan. 15	Wm. Cawthorn.	63	Miner	Eldorado.	J. K. Dering Coal Co.		1		1		1	Mining machine.
Feb. 27	Ben Berkley.	33	Miner	Eldorado.	O'Gara Coal Co.	10	1		1		3	Pit car.
Apr. 4	Leland Harwood.	28	Triprider.	Eldorado.	O'Gara Coal Co.	12	1		1	2	3	Electrocuted.
July 30	Joseph Hill.	51	Miner	Dorrisville.	Wasson Coal Co.	1	1		1		3	Falling coal.
Sept. 1	Oscar Sherfield.	35	Miner	Harrisburg.	O'Gara Coal Co.	1		1			3	Falling slate.
Sept. 24	Morris Cephas.	40	Miner	Harrisburg.	O'Gara Coal Co.	1					1	Falling coal.
Dec. 13	Ray Finn.	30	Driver.	Harrisburg.	O'Gara Coal Co.	1	1		1		1	Pit car.
Dec. 29	Wesley Vinyard.	37	Laborer.	Carrier Mills.	Wasson Coal Co.	2	1		1	2	3	Falling roof.

## NON-FATAL ACCIDENTS, ELEVENTH DISTRICT.

Name of operator.	Number injured.	Not re- turned.	Days lost by men returned.		Cause of injury.	Number injured.	Not re- turned.	Days lost by men returned.	
			Total.	Average.				Total.	Average.
Anderson Coal Co.	4		57	14	Fall of person.....	42	1	1,225	30
Blue Bird Coal Co.	4	1	67	23	Falls of roof and sides.....	107	5	3,705	36
Dering Coal Co.	37		1,225	33	Haulage.....	89	2	3,803	44
Harrisburg Coal Co., No. 8	5	2	132	44	Lifting.....	54		1,243	23
Harrisburg Coal Co., No. 9	18		500	28	Machinery.....	14	2	1,515	43
O'Gara Coal Co., No. 1	61	1	2,097	35	Struck by objects.....	181	5	4,372	25
O'Gara Coal Co., No. 3	33	2	1,057	34	Miscellaneous.....	13	1	395	33
O'Gara Coal Co., No. 10	21		1,560	28					
O'Gara Coal Co., No. 12	32		873	27					
O'Gara Coal Co., No. 43	124		4,023	33					
Peabody Coal Co., No. 47	50	1	2,105	43					
Wasson Coal Co., No. 1	104	6	2,446	25					
Wasson Coal Co., No. 2	7	2	83	17					
Total.....	500	16	15,258	32		500	16	15,258	32

## GALLATIN COUNTY

Number.	Name of operator.	Post office address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to loco-motives.	Tons sold to local trade.
SHIPPING MINE.							
1	Saline Coal & Gas, No. 4.	Equality	9,348	9,348			
LOCAL MINES.							
1	Pekin Mining Co.	Equality	6,952				5,942
2	Logan Highway Coal Co.	Junction	2,618				2,348
3	Duncan Bros.	Shawneetown	1,496				1,496
4	Jack Sisk, Jr.	Junction	1,387				1,305
5	Chas. E. Baldwin	Junction	444				444
6	Thornton Colbert	Equality	280				280
7	Joe Scarbrough	Equality	208				208
8	George W. Dorris	Equality	200				200
9	A. S. Evans & Logston & Vickery	Saline Mines	190				190
10	W. B. Dickson	Junction	145				145
11	Henry Hina	Saline Mines	200				200
12	Sam Black	Junction	100				100
13	Ed Tite & Son	Junction	55				55
Total			14,275				12,913
Total 14 mines			23,623	9,348			12,913

## SALINE COUNTY

<b>SHIPPING MINES.</b>							
1	Peabody Coal Co., No. 43	Harrisburg	763,777	626,976	117,690		7,221
2	Peabody Coal Co., No. 47	Harco	602,674	506,201	81,496		3,417
3	Wasson Coal Co., No. 1	Harrisburg	526,664	446,395	55,744		4,460
4	O'Gara Coal Co., No. 1	Harrisburg	517,636	484,660	25,862		
5	O'Gara Coal Co., No. 12	Harrisburg	493,433	420,024	52,637		1,185
6	O'Gara Coal Co., No. 3	Harrisburg	295,033	180,505	93,555		10,848
7	O'Gara Coal Co., No. 10	Eldorado	280,789	250,856	2,781		19,401
8	J. K. Dering Coal Co., No. 2	Eldorado	256,968	247,426			2,529
9	Harrisburg Coal Mining Co., No. 8	Harrisburg	128,383	35,901	92,482		
10	Harrisburg Coal Mining Co., No. 9	Harrisburg	110,091	102,226	7,865		
11	Wasson Coal Co., No. 2	Harrisburg	100,548	53,406	42,837		983
12	Blue Bird Coal Co., No. 1	Harrisburg	44,147	40,135			4,012
Total			4,120,143	3,394,711	572,949		54,056
<b>LOCAL MINES.</b>							
1	Lone Star Coal Co.	Carrier Mills	5,000				5,000
2	O. C. Duncan	Mitchelville	3,750				3,250
3	Gobrial Coal Co.	Equality	875				875
4	A. L. Tarlton	Eagle	400				360
5	O. H. Stroble	Equality	375				375
6	Pat Ross	Stoneport	300				275
7	Sylas Moore	Equality	250				225
8	John Sands	Equality	200				175
9	Job Ingram	Harrisburg	200				200
10	J. R. Reynolds	Equality	150				150
11	Isaac White	Equality	150				130
12	James Ingram	Equality	100				100
13	Oscar McAnnally	Harrisburg	100				100
14	Henry Ragsdale	Equality	50				50
Total			11,900				11,265
Total 26 mines			4,132,043	3,394,711	572,949		65,321

## ELEVENTH DISTRICT.

Disposition of output—tons.		Total employees.	Days of active operation.	Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
Tons consumed at the mine.	All coal not sold including waste.			Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.	Mining machines.	Motors.					
-----	-----	130	25	100	-----	-----	-----	-----	2	-----	9,348	-----	10	1
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
1,010	-----	13	133	435	-----	-----	-----	-----	-----	-----	6,952	-----	-----	1
270	-----	12	100	105	-----	-----	-----	-----	-----	-----	2,618	-----	-----	2
-----	-----	6	152	60	-----	-----	-----	-----	-----	-----	1,496	-----	-----	3
82	-----	3	150	47	-----	-----	-----	-----	-----	-----	1,387	-----	-----	4
-----	-----	2	250	20	-----	-----	-----	-----	-----	-----	444	-----	-----	5
-----	-----	2	60	6	-----	-----	-----	-----	-----	-----	280	-----	-----	6
-----	-----	1	50	16	-----	-----	-----	-----	-----	-----	208	-----	-----	7
-----	-----	2	40	14	-----	-----	-----	-----	-----	-----	200	-----	-----	8
-----	-----	3	60	25	-----	-----	-----	-----	-----	-----	190	-----	-----	9
-----	-----	1	60	10	-----	-----	-----	-----	-----	-----	145	-----	-----	10
-----	-----	2	100	30	-----	-----	-----	-----	-----	-----	200	-----	-----	11
-----	-----	2	25	6	-----	-----	-----	-----	-----	-----	100	-----	-----	12
-----	-----	2	20	-----	-----	-----	-----	-----	-----	-----	55	-----	-----	13
1,362	-----	51	92	774	-----	-----	-----	-----	-----	-----	14,275	-----	-----	-----
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
1,362	-----	181	88	874	-----	-----	-----	-----	-----	-----	23,623	-----	10	-----

## ELEVENTH DISTRICT.

7,539	4,351	705	182	2,711	-----	2,600	-----	40	24	763,777	-----	-----	4	1
8,902	2,658	845	147	-----	-----	700	175,700	34	29	602,674	-----	-----	-----	2
13,763	6,302	515	202	413	73,175	-----	75	21	9	526,664	-----	-----	45	3
4,218	2,896	620	169	-----	18,660	-----	17,400	34	8	517,636	-----	-----	65	4
7,435	12,152	456	206	-----	-----	-----	25,080	21	9	493,433	-----	-----	28	5
6,471	3,654	372	190	885	500	-----	9,696	44	9	285,151	9,882	-----	24	6
6,599	1,152	432	141	-----	-----	-----	13,140	25	9	280,789	-----	-----	60	7
7,013	-----	216	199	-----	-----	-----	20,200	10	17	256,968	-----	-----	-----	8
-----	-----	69	92	-----	-----	112,350	-----	-----	-----	-----	-----	128,383	-----	9
-----	-----	80	85	-----	-----	-----	17,850	5	4	110,091	-----	-----	3	10
3,080	242	234	92	22	23,100	-----	-----	11	8	100,548	-----	-----	4	11
-----	-----	50	130	-----	7,000	-----	-----	2	1	44,147	-----	-----	5	12
65,020	33,407	4,594	153	4,031	122,435	115,650	279,141	247	127	3,981,878	9,882	128,383	238	-----
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
500	-----	6	120	200	-----	-----	-----	-----	-----	-----	5,000	-----	-----	1
-----	-----	9	187	250	-----	-----	-----	-----	-----	-----	3,750	-----	-----	2
-----	-----	2	55	45	-----	-----	-----	-----	-----	-----	875	-----	-----	3
40	-----	2	66	34	-----	-----	-----	-----	-----	-----	400	-----	-----	4
-----	-----	2	75	31	-----	-----	-----	-----	-----	-----	375	-----	-----	5
25	-----	3	60	20	-----	-----	-----	-----	-----	-----	300	-----	-----	6
25	-----	1	40	15	-----	-----	-----	-----	-----	-----	250	-----	-----	7
25	-----	2	25	20	-----	-----	-----	-----	-----	-----	200	-----	-----	8
-----	-----	2	40	15	-----	-----	-----	-----	-----	-----	200	-----	-----	9
-----	-----	1	40	13	-----	-----	-----	-----	-----	-----	150	-----	-----	10
20	-----	1	40	15	-----	-----	-----	-----	-----	-----	150	-----	-----	11
-----	-----	1	33	10	-----	-----	-----	-----	-----	-----	100	-----	-----	12
-----	-----	1	20	4	-----	-----	-----	-----	-----	-----	100	-----	-----	13
-----	-----	1	13	5	-----	-----	-----	-----	-----	-----	50	-----	-----	14
635	-----	34	58	677	-----	-----	-----	-----	-----	-----	11,900	-----	-----	-----
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
65,655	33,407	4,628	102	4,708	122,435	115,650	279,141	247	127	3,981,878	21,782	128,383	238	-----

## POPE COUNTY

Number.	Name of operator.	Post office address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to locomotives.	Tons sold to local trade.
LOCAL MINE.							
1	James McCool.....	Brownfield.....	100				100

## WABASH COUNTY

LOCAL MINES.							
1	Bluff Coal Co.....	Keensburg.....	2,500	-----	-----	-----	2,500
2	A. & P. Coal Co.....	Mt. Carmel.....	1,670	-----	-----	-----	1,470
3	White City Coal Co.....	Keensburg.....	1,300	-----	-----	-----	1,050
4	Richard Cardon.....	Mt. Carmel.....	662	-----	-----	-----	662
5	Chas. Worth.....	Mt. Carmel.....	100	-----	-----	-----	100
Total.....			6,232	-----	-----	-----	5,782

## WHITE COUNTY

SHIPPING MINE.							
1	Josh Anderson Coal Co., No. 1.....	Norris City.....	34,841	30,040	-----	-----	2,400

## ELEVENTH DISTRICT.

Disposition of output—tons.		Total employees.		Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
Tons consumed at the mine.	All coal not sold including waste.			Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.	Mining machines.	Motors					
-----	-----	1	50	15	-----	-----	-----	-----	-----	-----	100	-----	-----	1

## ELEVENTH DISTRICT.

-----	-----	5	185	-----	6,600	-----	-----	-----	-----	-----	2,500	-----	-----	1
200	-----	4	179	-----	3,200	-----	-----	-----	-----	-----	1,670	-----	-----	2
250	-----	6	160	-----	3,300	-----	-----	-----	-----	-----	1,300	-----	-----	3
-----	-----	3	132	-----	165	-----	-----	-----	-----	-----	662	-----	-----	4
-----	-----	3	20	10	-----	-----	-----	-----	-----	-----	100	-----	-----	5
450	-----	21	135	10	13,265	-----	-----	-----	-----	-----	6,232	-----	-----	-----

## ELEVENTH DISTRICT.

1,388	1,013	113	78	175	-----	-----	-----	4	1	34,841	-----	-----	10	1
-------	-------	-----	----	-----	-------	-------	-------	---	---	--------	-------	-------	----	---

## SHIPPING MINES, RECAPITULATION

County	Number of mines.	Total tons mined.	Disposition of output in tons.					
			Loaded on cars for shipment.	Sold to railroad companies.	Supplied to locomotives.	Sold to local trade.	Used at the mine.	All coal not sold, including waste.
Gallatin.....	1	9,348	9,348	-----	-----	-----	-----	-----
Saline.....	12	4,120,143	3,394,711	572,949	-----	54,056	65,020	33,407
White.....	1	34,841	30,040	-----	-----	2,400	1,388	1,013
Total.....	14	4,164,332	3,434,099	572,949	-----	56,456	66,408	34,420

## LOCAL MINES, RECAPITULATION

Gallatin.....	13	14,275	-----	-----	-----	12,913	1,362	-----
Saline.....	14	11,900	-----	-----	-----	11,265	635	-----
Pope.....	1	100	-----	-----	-----	100	-----	-----
Wabash.....	5	6,232	-----	-----	-----	5,782	450	-----
Total.....	33	32,507	-----	-----	-----	30,060	2,447	-----

## RECAPITULATION, ALL MINES

Gallatin.....	14	23,623	9,348	-----	-----	12,913	1,362	-----
Saline.....	26	4,132,043	3,394,711	572,949	-----	65,321	65,655	33,407
Pope.....	1	100	-----	-----	-----	100	-----	-----
Wabash.....	5	6,232	-----	-----	-----	5,782	450	-----
White.....	1	34,841	30,040	-----	-----	2,400	1,388	1,013
Total.....	47	4,196,839	3,434,099	572,949	-----	86,516	68,855	34,420



## BY COUNTIES, ELEVENTH DISTRICT.

Total employees.	Days operated.	Explosives used for blasting coal.				Number of mining machines used.	Number of motors in use.	Tons mined by--			Number of animals underground.
		Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.			Machine.	Hand.	Stripping.	
130	25	100					2		9,348		10
4,594	153	4,031	122,435	115,650	279,141	247	127	3,981,878	9,882	128,383	238
113	78	175				4	1	34,841			10
4,837	138	4,306	122,435	115,650	279,141	251	130	4,016,719	19,230	128,383	258

## BY COUNTIES, ELEVENTH DISTRICT.

51	92	774							14,275		
34	58	677							11,900		
1	50	15							100		
21	135	10	13,265						6,232		
107	83	1,476	13,265						32,507		

## BY COUNTIES, ELEVENTH DISTRICT.

181	88	874							23,623		
4,628	102	4,708	122,435	115,650	279,141	247		3,981,878	21,782	128,383	
1	50	15							100		
21	135	10	13,265						6,232		
113	78	175				4		34,841			
4,944	100	5,782	135,700	115,650	279,141	251	130	4,016,719	51,737	128,383	258

## TWELFTH DISTRICT

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*Hon. John G. Millhouse, Director,  
Department of Mines and Minerals,  
Springfield, Illinois.*

SIR: I have the honor of submitting to you the report of this the Twelfth Inspection District, comprising the coal producing counties of Johnson and Williamson, for the year ended December 31, 1929.

The following is a summary of the items shown in the report:

Number of counties producing coal.....	2
Number of shipping mines.....	26
Number of local mines.....	30
Total number of employees.....	5,962
Total tons of coal produced.....	5,274,862
Days operated, shipping mines, average.....	148
Days operated, local mines, average.....	117
Number of fatal accidents.....	5
Number of non-fatal accidents.....	519
Number of employees to each fatal accident.....	1,192
Number of employees to each non-fatal accident.....	11.5
Tons of coal produced to each fatal accident.....	1,054,972
Tons of coal produced to each non-fatal accident.....	10,163
Ratio of fatal accidents per 1,000 employed.....	0.8
Ratio of non-fatal accidents per 1,000 employed.....	87.1

### NEW OR REOPENED MINES.

Orchard Coal Company reopened under the name of Ohio Valley Coal Company.

### MINES NOT OPERATED.

Consolidated Coal Company, L. C., Johnston City.  
Consolidated Coal Company No. 8, Clifford.  
Crerar-Clinch Coal Company, Johnston City.  
Old Ben Coal Corporation No. 8, Johnston City.  
Old Ben Coal Corporation No. 20, Herrin.

### CHANGE OF NAME.

Pratt Bros. Coal Co. to Carterville-Herrin Coal Co.  
Laclede Coal Co. to Sincerity Coal Co.  
Cameron Coal Co. to Illinois Higrade Coal Co.

### MINES OPENED 1921-1929.

Worth Huskey Coal Co. No. 2, Madison Coal Corporation No. 12, McLaren Coal Co., Tregoning Coal Co., Carterville; Watson Coal Co. No. 3, Carterville Fuel Co., Prosperity Coal Co., Puritan Coal Co., Herrin; Cosgrove-Meehan Coal Co. No. 3, Pittsburg; Henderson-Wallace

Coal Co., Mammoth Coal Co., Scottsboro Coal Co., Coal Stripping Co., Marion; Huskey Coal Co., Ogmore Coal Co., Cambria; St. Louis Coal & Iron Co., No. 2, Johnston City.

#### MINES ABANDONED 1921-1929.

Henderson-Wallace Coal Co., Van Hoos Coal Co., West Virginia Coal Co., Vulcan Coal Co., Chicago-Big Muddy Coal Co., Mammoth Coal Co., Slogo Coal Co., Standard Coal & Coke Co., Coal Stripping Co., Marion.

Hafer Washed Coal Co., Worth-Husky Coal Co. No. 2, Carterville; Watson Coal Co. No. 3, Carterville Black Diamond No. 1, Carterville Fuel Co., Crerar-Clinch, Duncan mine, Prosperity Coal Co., Taylor Coal Co. Nos. 1, 2 and 3, C. W. & F. Coal Co., "B" mine, Sunnyside Coal Co., Herrin.

Madison Coal Corp. No. 8 mine, Dewmaine; Quaker Mining Co., Leah Coal Co., Peabody Coal Co. No. 16 mine, Cambria; St. Louis Coal & Iron Co. No. 1 mine, Standard Col. Co., Johnston City; Johnston City Washed Coal Co., White Ash, Williamson County.

Mines in 1920 .....	43
Mines opened 1921-1929 .....	16
Mines abandoned 1921-1929. ....	28
Mines in 1929.....	31
Mines operated 1929 .....	26
Mines idle 1929.....	5

#### FATAL ACCIDENTS.

January 22, Einsetti Marfia, miner, age 54 years, married, was killed by pit cars in Madison Coal Corporation's No. 12 mine. He leaves a widow and nine children.

April 2, George Barth, loader, age 69 years, single, was killed in Peabody Coal Company's No. 25 mine by a fall of slate.

April 20, John Parcich, loader, age 41 years, single, was killed by a fall of roof in St. Louis Coal & Iron Company's No. 2 mine.

November 12, Harvey Smith, triprider, age 29 years, married, was struck by a pit car and killed in Carterville-Herrin Coal Company's mine. He leaves a widow and three children.

December 21, James L. Stewart, machine man, age 39 years, married, was killed by a fall of coal in St. Louis Coal & Iron Company's No. 2 mine. He leaves a widow and two children.

Respectfully submitted,

ARTHUR W. PLUMLEE,

*Inspector.*

# FATAL CASUALTIES, TWELFTH DISTRICT, 1929.

Date, 1929.	Name.	Age.	Occupation.	Residence.	Name of operator of mine.	Num- ber or letter of mine.	Married.	Single.	Widow.	Children.	Dependents.	Cause of death.
Jan. 22	Einsetti Marfa.....	54	Miner.....	Murphysboro.....	Madison Coal Corp.....	12	1	1	1	9	10	Pit cars
Apr. 2	George Barth.....	69	Loader.....	Cartersville.....	Peabody Coal Co.....	25		1				Falling slate.
Apr. 20	John Parish.....	41	Loader.....	Cartersville.....	St. Louis Coal & Iron Co.....	2		1				Falling roof.
Nov. 12	Harvey Smith.....	29	Triprider.....	Johnston City.....	Cartersville-Herrin Coal Co.....	Jeff	1		1	3	4	Pit cars.
Dec. 21	James L. Stewart.....	39	Machine man..	Marrion.....	St. Louis Coal & Iron Co.....	2	1		1	2	3	Falling coal.

## NON-FATAL ACCIDENTS, TWELFTH DISTRICT.

Name of operator.	Number injured.	Not returned.	Days lost by men returned.		Cause of injury.	Number injured.	Not returned.	Days lost by men returned.	
			Total.	Average.				Total.	Average.
Carbon Fuel Co.	14		207	15	Fall of person.	27		694	26
Cartersville-Herrin Coal Co.	28		1,120	40	Falls of roof and sides.	93	1	3,782	41
City Lake Coal Co.	7		212	30	Haulage.	91	3	3,063	35
Coal Stripping Co.	4		88	22	Lifting.	76	2	2,498	34
Consolidated Coal Co., No. 7.	35	5	939	31	Machinery.	18	1	600	35
Coogrove-Meehan Coal Co., No. 1.	49	2	1,654	35	Struck by objects.	108	1	3,833	23
Coogrove-Meehan Coal Co., No. 2.	84		1,205	51	Miscellaneous.	18		462	26
Coogrove-Meehan Coal Co., No. 3.	84		3,164	38	Not reported.	28		978	35
C., W. & F. Coal Co., A.	30		986	33					
Freeman Coal Co.	7		161	23					
Henderson-Wallace Coal Co.	9		159	18					
Illinois Higrade Coal Co.	3		50	17					
McLaren Coal Co.	1		11	11					
Madison Coal Corp., No. 9.	35		1,232	35					
Madison Coal Corp., No. 12.	60		1,638	27					
Ohio Valley Coal Co.	3		89	30					
Old Ben Coal Corp., No. 18.	33		785	24					
Peabody Coal Co., No. 3.	20		590	30					
Peabody Coal Co., No. 25.	24		652	27					
Peabody Coal Co., No. 26.	36		1,405	40					
St. Louis Coal & Iron Co., No. 2.	12	1	1,208	19					
Scottaboro Coal Co.	9		108	12					
Sincerity Coal Co.	12		247	21					
Total.	519	8	15,910	31		519	8	15,910	31

## JOHNSON COUNTY

Number.	Name of operator.	Post office address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to loco-motives.	Tons sold to local trade.
LOCAL MINE.							
1	Louis Tanner.....	New Burnside....	58	-----	-----	-----	58

## WILLIAMSON COUNTY

SHIPPING MINES.							
1	Madison Coal Co., No. 12.....	Cambria.....	624,944	-----	613,452	-----	817
2	Cosgrove-Meehan Coal Co., No. 1.....	Johnston City....	591,660	470,090	100,960	-----	2,758
3	Cosgrove-Meehan Coal Co., No. 3.....	Marion.....	532,995	453,306	64,527	-----	661
4	Old Ben Coal Corp., No. 18.....	Johnston City....	487,152	377,798	102,586	-----	5,462
5	Carterville & Herrin Coal Co.....	Herrin.....	409,613	324,258	78,155	-----	2,198
6	Madison Coal Corp., No. 9.....	Colp.....	381,418	-----	365,697	-----	3,579
7	Consolidated Coal Co., No. 7.....	Herrin.....	313,584	226,538	63,462	-----	7,107
8	C., W. & F. Coal Co., Mine A.....	Herrin.....	281,781	212,627	28,355	-----	4,421
9	Scottsboro Coal Co.....	Marion.....	242,499	19,573	222,926	-----	-----
10	Peabody Coal Co., No. 26.....	Johnston City....	237,146	227,715	2,011	-----	519
11	St. Louis Coal & Iron Co., No. 12.....	Johnston City....	175,209	37,208	138,001	-----	-----
12	Coal Stripping Co., No. 1.....	Marion.....	134,937	-----	134,937	-----	-----
13	Peabody Coal Co., No. 25.....	Carterville.....	133,727	126,195	-----	-----	1,555
14	Sincerity Bituminous Coal Co.....	Herrin.....	115,285	63,402	46,180	-----	465
15	Carbon Fuel Co.....	Marion.....	100,620	89,744	10,487	-----	389
16	Freeman Coal Mining Co.....	Herrin.....	99,335	90,049	8,664	-----	332
17	Henderson-Wallace Coal Co.....	Marion.....	77,712	55,130	21,609	-----	973
18	Peabody Coal Co., No. 3.....	Marion.....	74,012	31,167	38,860	-----	-----
19	Cosgrove-Meehan Coal Co., No. 2.....	Pittsburg.....	68,689	38,995	24,306	-----	423
20	Illinois Hi-Grade Coal Co.....	Pittsburg.....	67,082	44,808	19,574	-----	1,000
21	McLaren Coal Co.....	Carterville.....	29,272	28,681	-----	-----	591
22	City Lake Coal Co.....	Herrin.....	26,051	2,884	23,147	-----	-----
23	Tregoning Coal Co.....	Carterville.....	9,900	7,000	1,000	-----	1,000
24	Puritan Coal Co.....	Johnston City....	5,017	5,017	-----	-----	-----
25	Ohio Valley Coal Co.....	Marion.....	2,200	-----	2,200	-----	-----
26	Ogmore Coal Co.....	Cambria.....	1,801	385	-----	-----	1,035
Total.....			5,223,641	2,932,570	2,111,096	-----	35,285

## TWELFTH DISTRICT.

Disposition of output—tons.		Total employees.	Days of active operation.	Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground	Number.
Tons consumed at the mine.	All coal not sold including waste.			Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.	Mining machines.	Motors.					
-----	-----	2	30	7	-----	-----	-----	-----	-----	-----	58	-----	-----	1

## TWELFTH DISTRICT.

10,629	46	750	146	9,250	-----	-----	9,725	32	16	624,944	-----	-----	2	1
17,852	-----	313	234	-----	-----	-----	99,375	22	14	591,660	-----	-----	10	2
14,501	-----	351	247	-----	-----	-----	75,725	25	12	532,995	-----	-----	2	3
1,306	-----	802	99	-----	-----	-----	71,725	48	23	468,603	18,549	-----	-----	4
3,834	1,168	346	233	8,209	12,750	-----	-----	12	4	350,055	59,558	-----	21	5
12,096	46	408	177	4,882	-----	-----	19,725	18	10	381,418	-----	-----	3	6
13,839	2,638	465	107	223	-----	-----	51,975	16	10	304,629	8,955	-----	7	7
8,670	27,708	295	118	-----	-----	-----	60,950	32	14	281,781	-----	-----	-----	8
6,296	605	65	171	-----	-----	67,414	-----	-----	-----	-----	-----	242,499	-----	9
-----	-----	205	209	5,769	-----	150	-----	4	2	151,335	85,811	-----	14	10
-----	-----	92	287	-----	-----	-----	43,050	6	6	170,209	-----	-----	-----	11
-----	-----	55	116	-----	-----	48,538	-----	-----	-----	-----	-----	134,937	-----	12
3,744	2,233	243	75	3,318	26,450	-----	400	15	3	48,169	85,558	-----	29	13
3,650	1,588	129	261	2,629	-----	-----	-----	3	1	101,448	13,837	-----	12	14
-----	-----	48	245	-----	30,650	-----	-----	3	1	99,187	1,435	-----	4	15
104	186	383	43	-----	-----	-----	13,125	13	4	99,335	-----	-----	26	16
-----	-----	46	221	-----	24,450	-----	-----	3	1	77,712	-----	-----	4	17
1,967	2,018	378	39	55	23,750	-----	-----	1	6	3,949	70,063	-----	10	18
4,860	105	194	63	-----	-----	-----	11,850	13	3	68,689	-----	-----	16	19
1,000	700	101	108	928	100	-----	-----	3	2	22,668	44,414	-----	8	20
-----	-----	34	132	500	-----	-----	-----	2	2	29,272	-----	-----	2	21
20	-----	47	230	1,754	-----	-----	-----	-----	6	-----	26,051	-----	-----	22
900	-----	11	180	325	250	-----	-----	-----	-----	-----	9,900	-----	1	23
-----	-----	14	48	400	-----	-----	-----	1	-----	5,017	-----	-----	3	24
-----	-----	47	15	-----	-----	-----	-----	2	1	2,200	-----	-----	2	25
70	311	21	44	179	-----	-----	-----	-----	-----	-----	1,801	-----	1	26
105,338	39,352	5,843	148	38,421	118,400	116,102	457,625	274	141	4,420,275	425,930	377,436	177	-----

## WILLIAMSON COUNTY

Number.	Name of operator.	Post office address of the mine.	Disposition of output—tons.				
			Total.	Tons loaded on cars for shipment.	Tons sold to railroad companies.	Tons supplied to loco-motives.	Tons sold to local trade.
LOCAL MINES.							
1	Anton Polinsky .....	Marion .....	5,250				5,250
2	John W. Spiller.....	Marion.....	5,130				5,130
3	Charles Burch.....	Marion.....	4,365				4,365
4	Young Bros.....	Cartersville.....	3,935				3,935
5	John Cogle.....	Cartersville.....	3,500				3,500
6	I. D. Gosnell.....	Blairville.....	3,570				3,184
7	W. A. Wilson.....	Marion.....	3,000				3,000
8	Rentfro & Springhart.....	Marion.....	2,476				2,476
9	McCluskey & Pendley.....	Marion.....	2,500				2,500
10	Prospect Coal Co.....	Herrin.....	2,340				2,000
11	Alta Bratten.....	Marion.....	1,650				1,650
12	W. N. Stroud.....	Marion.....	1,525				1,525
13	Geo. Williamson.....	Cartersville.....	1,200				1,200
14	Waldo & Clark.....	Carbondale.....	1,200				1,200
15	John Issler & Son.....	Marion.....	1,050				1,050
16	Rushing Coal Co.....	Marion.....	1,000				1,000
17	L. R. Gabriel.....	Marion.....	1,000				1,000
18	J. Hope & A. Richardson.....	Johnston City.....	1,000				800
19	Floyd McDonald.....	Marion.....	970				970
20	Chas. L. Weisbrodt.....	Marion.....	900				900
21	W. N. Hill.....	Stonefort.....	800				800
22	Ed Ferger.....	Marion.....	635				635
23	Jas. Shadowens.....	Marion.....	550				550
24	Caram Beltz.....	Energy.....	425				425
25	Aubrey Richmon.....	Marion.....	400				400
26	Roy Wilson.....	Marion.....	300				300
27	Wm. Heaton.....	New Burnside.....	260				250
28	Josh Long.....	Marion.....	215				215
29	Wesley Hammers.....	Creal Springs.....	17				17
Total.....			51,163				50,227
Total 55 mines.....			5,274,804	2,932,570	2,111,096		85,512



## TWELFTH DISTRICT—Concluded.

Disposition of output—tons.		Total employees.	Days of active operation.	Explosives used for blasting coal.				Number of—		Tons mined by machine.	Tons mined by hand.	Tons mined in strip mines.	Number animals underground.	Number.
Tons consumed at the mine.	All coal not sold including waste.			Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.	Mining machines.	Motors.					
		2	250	40								5,250		1
		3	200	100								5,130		2
		6	165	259							4,365			3
		4	137	60								3,935		4
		10	150	140							3,500			5
386		6	172	153							3,570			6
		6	192	115							3,000			7
		6	60	200							2,476			8
		4	90	25								2,500		9
		7	135	195							2,340			10
340		4	200	110							1,650			11
		3	175	30								1,525		12
		6	60	36							1,200			13
		5	90	75							1,200			14
		4	90	18								1,050		15
		2	80	40							1,000			16
		5	100								1,000			17
200		4	240	65							1,000			18
		3	120	100							970			19
		2	100	10								900		20
		3	50	48							800			21
		4	75	20							635			22
		2	120	6								550		23
		1	60	6								425		24
		5	112	33							400			25
		3	60	15							300			26
10		4	52	18							260			27
		2	90	4								215		28
		1	30	2							17			29
936		117	120	1,923							29,683	21,480		
106,274	39,352	5,960	133	40,344	118,400	116,102	457,625	274	141	4,420,275	455,613	398,916	177	

## SHIPPING MINES, RECAPITULATION

County.	Number of mines.	Total tons mined.	Disposition of output in tons.					
			Loaded on cars for shipment.	Sold to railroad companies.	Supplied to locomotives.	Sold to local trade.	Used at the mine.	All coal not sold, including waste.
Williamson.....	26	5,223,641	2,932,570	2,111,096	-----	35,285	105,338	39,352

## LOCAL MINES, RECAPITULATION

Johnson.....	1	58	-----	-----	-----	58	-----	-----
Williamson.....	29	51,163	-----	-----	-----	50,227	936	-----
Total.....	30	51,221	-----	-----	-----	50,285	936	-----

## RECAPITULATION, ALL MINES

Johnson.....	1	58	-----	-----	-----	58	-----	-----
Williamson.....	55	5,274,804	2,932,570	2,111,096	-----	85,512	106,274	39,352
Total.....	56	5,274,862	2,932,570	2,111,096	-----	85,570	106,274	39,352

## BY COUNTIES, TWELFTH DISTRICT.

Total employees.	Days operated.	Explosives used for blasting coal.				Number of mining machines used.	Number of motors in use.	Tons mined by—			Number of animals underground.
		Powder—kegs.	Pellet powder—pounds.	Dynamite—pounds.	Permissibles—pounds.			Machine.	Hand.	Stripping.	
5,843	148	38,421	118,400	116,102	457,625	274	141	4,420,275	425,930	377,436	177

## BY COUNTIES, TWELFTH DISTRICT.

2	30	7	-----	-----	-----	-----	-----	-----	58	-----	-----
117	120	1,923	-----	-----	-----	-----	-----	-----	29,683	21,480	-----
119	117	1,930	-----	-----	-----	-----	-----	-----	29,741	21,480	-----

## BY COUNTIES, TWELFTH DISTRICT.

2	30	7	-----	-----	-----	-----	-----	-----	58	-----	-----
5,960	133	40,344	118,400	116,102	457,625	274	-----	4,420,275	455,613	398,916	-----
5,962	131	40,351	118,400	116,102	457,625	274	141	4,420,275	455,671	398,916	177



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## **SUPPLEMENT**

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Report of Division of Inspection.  
Report of Division of Miners' Examination.  
Report of Division of Mine Rescue.  
Report of Division of Economic Investigation.  
Report of Division of Fluorspar.  
Report of State Mining Board.  
List of State Inspectors.  
List of Mine Managers.  
List of Hoisting Engineers.  
List of Mine Examiners.

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## REPORT OF DIVISION OF INSPECTION

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The specific work report of the State Inspectors of Mines for the year is shown in the following summary and table:

Days worked inspecting mines.....	1,578
Days worked at other classified duties.....	1,257
Days worked at miscellaneous service.....	794
<b>Total days worked.....</b>	<b>3,629</b>
<b>Average days for each Inspector.....</b>	<b>302.4</b>
Average days inspecting mines.....	131.5
Average days in other classified service.....	104.7
Average days in miscellaneous service.....	66.2
<b>Number of inspections made.....</b>	<b>1,658</b>
<b>Average for each Inspector.....</b>	<b>138</b>

## SUMMARY OF SPECIFIC WORK REPORT FOR YEAR ENDED DECEMBER 31, 1929.

District.	Inspecting mines.				Other classified duties—days worked.										Miscellaneous services.		Total days.
	Shipping.		Local.		Total.		Per cent of time inspecting mines.	Investigating accidents.	Testing scales.	Investigating complaints.	Office work.	Traveling.	Total days in other classified duties.	Per cent of time in other classified duties.	Days worked.	Per cent of time.	
	Number inspections.	Days worked.	Number inspections.	Days worked.	Number inspections.	Days worked.											
First.....	37	64	56	55	93	119	39.6	7	2	14	56	23	102	34.0	79	26.4	300
Second.....	37	55	145	64	182	119	36.3	5	1	30	22	58	116	36.9	84	26.8	314
Third.....	53	88	446	156	499	214	70.8	3	1	21	21	20	45	15.0	43	14.2	302
Fourth.....	49	86	46	43	95	129	42.9	13	6	18	46	13	96	31.9	76	25.2	301
Fifth.....	32	50	83	81	115	131	44.7	7	7	69	69	14	97	33.1	65	22.2	293
Sixth.....	69	137	39	24	108	161	55.3	9	7	22	45	12	88	30.2	42	14.5	291
Seventh.....	43	69	12	5	55	74	26.6	13	1	43	45	17	119	42.8	85	30.6	278
Eighth.....	56	59	34	34	90	93	30.0	5	37	32	76	17	167	53.9	50	16.1	310
Ninth.....	60	84	102	78	162	162	52.6	11	15	25	36	10	97	31.5	49	15.9	308
Tenth.....	33	79	—	—	33	79	25.3	30	5	41	56	20	152	48.5	82	26.2	313
Eleventh.....	50	114	82	45	132	159	51.1	7	3	17	46	30	103	33.1	49	15.8	311
Twelfth.....	49	90	45	48	94	138	45.6	10	6	12	31	16	75	29.7	90	24.7	303
Total.....	568	945	1,090	633	1,658	1,578	43.5	120	77	261	549	250	1,257	34.6	794	21.9	3,629



## REPORT OF MINERS' EXAMINATION DIVISION

The tables following show the results of the Miners' Examination Board for the year:

Date.	Place of meeting.	Number of applicants.	Number of certificates issued.	Number of candidates rejected.	Fees collected.
1929					
Jan.	7 Belleville.....	14	8	6	\$ 16 00
	8 Harrisburg.....	30	23	7	46 00
	9 Herrin.....	35	30	5	60 00
	10 Duquoin.....	20	15	5	30 00
	11 Centralia.....	5	5	0	10 00
	12 Taylorville.....	20	16	4	32 00
	15 Pana.....	4	2	2	4 00
	16 Decatur.....	3	3	0	6 00
	17 Danville.....	15	13	2	26 00
	18 Peoria.....	16	14	2	28 00
	19 Springfield.....	25	21	4	42 00
	21 Gillespie.....	25	22	3	44 00
Feb.	4 Belleville.....	14	10	4	20 00
	5 Harrisburg.....	15	10	5	20 00
	6 Johnston City.....	38	30	8	60 00
	7 Duquoin.....	30	23	7	46 00
	8 Centralia.....	20	15	5	30 00
	9 Taylorville.....	23	18	5	36 00
	11 Pana.....	11	10	1	20 00
	12 Danville.....	12	10	2	20 00
	13 Farmington.....	15	11	4	22 00
	14 Peoria.....	15	10	5	20 00
	15 Springfield.....	25	18	7	36 00
	16 Gillespie.....	30	26	4	52 00
Mar.	4 Belleville.....	40	32	8	64 00
	5 Harrisburg.....	25	21	4	42 00
	6 Herrin.....	35	28	7	56 00
	7 West Frankfort.....	55	46	9	92 00
	8 Duquoin.....	30	23	7	46 00
	9 Centralia.....	13	11	2	22 00
	11 Taylorville.....	12	8	4	16 00
	12 Pana.....	7	5	2	10 00
	13 Danville.....	18	16	2	32 00
	14 Peoria.....	12	8	4	16 00
	15 Springfield.....	18	14	4	28 00
	16 Gillespie.....	21	14	7	28 00
Apr.	1 Belleville.....	5	3	2	6 00
	2 Harrisburg.....	6	4	2	8 00
	3 Herrin.....	15	5	10	10 00
	4 West Frankfort.....	7	4	3	8 00
	5 Duquoin.....	11	6	5	12 00
	6 Taylorville.....	11	6	5	12 00
	8 Pana.....	4	2	2	4 00
	9 Danville.....	10	8	2	16 00
	10 Farmington.....	9	6	3	12 00
	11 Peoria.....	8	6	2	12 00
	12 Springfield.....	11	8	3	16 00
	13 Gillespie.....	13	7	6	14 00
May	6 Belleville.....	5	2	3	4 00
	7 Harrisburg.....	9	5	4	10 00
	8 Herrin.....	8	5	3	10 00
	9 Zeigler.....	31	23	8	46 00
	10 Duquoin.....	26	20	6	40 00
	11 Taylorville.....	14	10	4	20 00
	13 Pana.....	8	5	3	10 00
	14 Decatur.....	6	4	2	8 00
	15 Danville.....	15	10	5	20 00
	16 Peoria.....	4	1	3	2 00
	17 Springfield.....	14	10	4	20 00
	18 Gillespie.....	5	3	2	6 00
June	3 Belleville.....	10	7	3	14 00
	4 Harrisburg.....	8	6	2	12 00
	5 Herrin.....	16	11	5	22 00
	6 West Frankfort.....	5	3	2	6 00
	7 Duquoin.....	10	7	3	14 00
	8 Taylorville.....	8	4	4	8 00
	10 Pana.....	5	3	2	6 00
	11 Danville.....	5	5	0	10 00
	12 Farmington.....	4	2	2	4 00
	13 Peoria.....	2	1	1	2 00

## MINERS EXAMINATION—Concluded.

Date.	Place of meeting.	Number of applicants.	Number of certificates issued.	Number of candidates rejected.	Fees collected.
1929					
June 14	Springfield.....	8	5	3	\$10 00
15	Gillespie.....	8	7	1	14 00
July 8	Belleville.....	7	3	4	6 00
9	Harrisburg.....	5	4	1	8 00
10	Herrin.....	7	5	2	10 00
11	West Frankfort.....	8	7	1	14 00
12	Duquoin.....	8	6	2	12 00
13	Taylorville.....	8	6	2	12 00
15	Pana.....	8	6	2	12 00
16	Danville.....	9	5	4	10 00
17	LaSalle.....	8	7	1	14 00
18	Peoria.....	7	5	2	10 00
19	Springfield.....	1	1	0	2 00
20	Gillespie.....	7	4	3	8 00
Aug. 5	Belleville.....	2	1	1	2 00
6	Harrisburg.....	8	6	2	12 00
7	Herrin.....	12	9	3	18 00
8	West Frankfort.....	18	14	4	28 00
9	Duquoin.....	10	8	2	16 00
10	Taylorville.....	5	3	2	6 00
12	Pana.....	3	2	1	4 00
13	Danville.....	11	7	4	14 00
14	Farmington.....	4	2	2	4 00
15	Peoria.....	2	1	1	2 00
16	Springfield.....	4	3	1	6 00
17	Gillespie.....	7	5	2	10 00
Sept. 9	Belleville.....	5	3	2	6 00
10	Harrisburg.....	26	23	3	46 00
11	Herrin.....	20	12	8	24 00
12	Benton.....	17	17	0	34 00
13	Duquoin.....	19	14	5	28 00
14	Taylorville.....	9	6	3	12 00
16	Pana.....	8	7	1	14 00
17	Decatur.....	4	2	2	4 00
18	Danville.....	7	4	3	8 00
19	Peoria.....	19	15	4	30 00
20	Springfield.....	26	23	3	46 00
Oct. 21	Gillespie.....	5	3	2	6 00
7	Belleville.....	7	5	2	10 00
8	Harrisburg.....	19	18	1	36 00
9	Herrin.....	22	17	5	34 00
10	West Frankfort.....	14	13	1	26 00
11	Benton.....	14	12	2	24 00
12	Duquoin.....	18	14	4	28 00
14	Taylorville.....	5	3	2	6 00
15	Decatur.....	4	3	1	6 00
16	Danville.....	12	10	2	20 00
17	Peoria.....	26	23	3	46 00
18	Springfield.....	27	23	4	46 00
Nov. 19	Gillespie.....	10	9	1	18 00
4	Edwardsville.....	10	7	3	14 00
5	Sparta.....	22	20	2	40 00
6	West Frankfort.....	17	15	2	30 00
7	Harrisburg.....	10	8	2	16 00
8	Herrin.....	30	23	7	46 00
9	Duquoin.....	12	9	3	18 00
11	Pana.....	8	6	2	12 00
12	Danville.....	4	3	1	6 00
13	Farmington.....	8	6	2	12 00
14	Peoria.....	8	6	2	12 00
15	Springfield.....	14	10	4	20 00
16	Gillespie.....	12	11	1	22 00
Dec. 9	Belleville.....	12	11	1	22 00
10	Eldorado.....	14	12	2	24 00
11	Herrin.....	19	18	1	36 00
12	West Frankfort.....	19	17	2	34 00
13	Duquoin.....	14	11	3	22 00
14	Taylorville.....	12	10	2	20 00
16	Pana.....	10	8	2	16 00
17	Danville.....	15	11	4	22 00
18	LaSalle.....	14	10	4	20 00
19	Peoria.....	15	12	3	24 00
20	Springfield.....	22	20	2	40 00
21	Gillespie.....	4	4	0	8 00
	Total.....	1,927	1,480	447	\$2,960 00

## PLACE OF MEETINGS.

Place of meeting.	Number of meetings held.	Number of applications.	Number of certificates issued.	Number of candidates rejected.	Fees collected.
Belleville.....	11	121	85	36	\$170 00
Benton.....	2	31	29	2	58 00
Centralia.....	3	38	31	7	62 00
Decatur.....	4	17	12	5	24 00
Danville.....	12	133	102	31	204 00
Duquoin.....	12	208	156	52	312 00
Eldorado.....	1	14	12	2	24 00
Edwardsville.....	1	10	7	3	14 00
Farmington.....	5	40	27	13	54 00
Gillespie.....	12	147	115	32	230 00
Herrin.....	11	219	163	56	326 00
Harrisburg.....	11	161	128	33	256 00
Johnston City.....	1	38	30	8	60 00
LaSalle.....	2	22	17	5	34 00
Pana.....	11	76	56	20	112 00
Peoria.....	12	134	102	32	204 00
Springfield.....	12	195	156	39	312 00
Sparta.....	1	22	20	2	40 00
Taylorville.....	11	127	90	37	180 00
West Frankfort.....	8	143	119	24	238 00
Zeigler.....	1	31	23	8	46 00
Total.....	144	1,927	1,480	447	\$2,960 00

## REPORT OF THE MINE RESCUE AND FIRST-AID DIVISIONS

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Herewith is presented the principal activities of the eight Mine Rescue Stations in responding to calls for help and in training in mine rescue and first aid methods during the year 1929:

### LA SALLE STATION.

On January 16 a call came to this station from the McLean County Coal Company. This mine had been closed for about six months, and the pump had ceased to operate. There was no ventilation and the company decided to call for assistance to ascertain the cause of the trouble. The team made two trips down the shaft and, with considerable trouble, because of the water around the bottom, succeeded in making a good inspection of the conditions and reported to the management, who seemed well satisfied with the work. This station, also, trained one man in mine rescue methods; 502 men and 46 women were trained in rendering first aid.

### SPRINGFIELD STATION.

This station received a call February 10, from mine 51, Peabody Coal Company, that a fire had broken out in the mine. On reaching the scene, we found that the fire had been burning for twenty-four hours and, on account of the smoke and heat, the management was unable to locate the fire. The team located the fire and decided to seal it up. This was done with a loss of only four working places.

May 2, a call came from this same mine that fire had again broken out. The team responded and this fire was sealed.

Again, on August 21, the team was called to this mine to fight a fire. The team found this fire in the last room on the entry and succeeded in sealing it up with a loss of two working places.

December 26, the rescue crew was called to the Blakely Coal Company's mine at Canton. It was found that the mine was on fire. The fire was located and, because of the absence of the proper equipment for fighting mine fires, was sealed off with the loss of only one room.

In first aid and mine rescue methods, this station has trained 1,097; twenty-seven in mine rescue and 1,070 in first aid.

### BENTON STATION.

But one call for help is recorded at this station. This call came December 1, from Old Ben Coal Corporation No. 8 mine, where an explosion of gas had killed eight men. The team responded at once and rendered all the assistance it was possible to give.

Training was given to 34 men in mine rescue methods and to 476 men and 161 women in first aid work.

## ELDORADO STATION.

April 4, this station received a call from Mine 12, O'Gara Coal Company. This call was responded to and all possible help rendered. One hundred ninety-four men received training during the year; seven in rescue work and 187 in first aid.

## DUQUOIN STATION.

This station received a call March 4, to the Majestic mine, Crerar-Clinch Coal Company, where a mine fire was raging with a body of gas close by. By heroic efforts the fire was scaled up.

August 15, a call came from the Little Muddy Fuel Company, which had been closed for three years, to open it up. This mine had caved in at the bottom so we let a man down to cut the rope of the cage so the cage on the north side could be run. Then on September 5, the team was called back to open some doors so the mine could be ventilated.

Again October 1, the call came to put up four stoppings to enable them to get back to the air shaft.

Four hundred ninety-eight men and 60 women received training at this station in first aid work.

## HERRIN STATION.

December 1, a call came from the Old Ben Coal Corporation's mine No. 8 to assist in the recovery of a section of the mine in which an explosion had occurred. The team arrived at the mine one hour after receiving the call. After 12 hours of hard work in exploring the area of the explosion and trying to locate the body of an unfortunate victim, in which they were unsuccessful, the team returned home.

During the year 213 men were trained; forty-eight in mine rescue and 165 in first aid.

## BELLEVILLE STATION.

This station received three calls for the inhalator during the time covered by this report, viz: to the Willard Stove and Range Company's plant at O'Fallon in a case of electrocution on August 16, and on August 24, to St. Clair lake, where a man was drowned. In both cases, the call came too late, as both were dead when we arrived. On September 25, we were called to a case of gas poisoning in which we succeeded in reviving the lady.

Eight hundred and seventy-three received training at this station: three men in rescue methods, 746 men and 124 women in first aid.

## JOHNSTON CITY STATION.

But one call for help was received this year and that came on December 1, from Old Ben Coal Corporation's No. 8 mine, where an explosion had occurred, resulting in the death of seven men.

The team arrived on the scene in a very short time and succeeded in recovering the bodies of five men, assisted in exploring the area of the explosion and in restoring ventilation. Four men were trained in rescue methods and 355 in first aid work.

The following gives a summary of the training work done at the various stations.

## NUMBER TRAINED IN

Station.	Mine rescue.	First aid.		
	Men.	Men.	Women.	Total.
LaSalle.....	1	502	46	549
Springfield.....	27	1,008	62	1,097
Benton.....	34	476	161	671
Eldorado.....	7	187	-----	194
Duquoin.....	-----	498	60	558
Herrin.....	48	165	-----	213
Belleville.....	3	746	124	873
Johnston City.....	4	355	-----	359
Total.....	124	3,937	453	4,514

## REPORT OF DIVISION OF ECONOMIC INVESTIGATION

The tables following disclose the activities of the various industries under the jurisdiction of this division :

TABLE 1—LIMESTONE.

Name of operator.	Location of plant.		Production in tons.	Number employed.	Days worked.	Explosives used.	
	Postoffice.	County.				Powder—kegs.	Dynamite—pounds.
Alpha Portland Cement Co.....	LaSalle.....	LaSalle.....	443,832	231	297	---	107,150
Anna Stone Co.....	Anna.....	Union.....	100,000	30	170	---	3,600
J. P. Jordan.....	Ashton.....	Lee.....	1,800	4	20	---	100
Big Creek Crushed Rock Co.....	Marshall.....	Clark.....	5,219	10	60	---	3,811
Black-White Lime Co.....	Quincy.....	Adams.....	20,191	31	300	---	7,500
Bloomington Township Pitt.....	Bloomington.....	DuPage.....	11,600	3	135	---	---
Buerkin & Buerkin.....	Quincy.....	Adams.....	480	4	65	---	110
Cassey Lime & Stone Co.....	Cassey.....	Clark.....	11,569	22	92	---	5,396
Casper Stolle Quarry & Contracting Co., No. 2.....	Falling Springs.....	St. Clair.....	24,465	16	240	---	4,073
Casper Stolle Quarry & Contracting Co., No. 1.....	Stolle.....	St. Clair.....	218,372	52	268	---	11,023
City of Chicago, House of Correction.....	Chicago.....	Cook.....	14,000	130	147	---	4,000
Charles Stone Co.....	Chester.....	Johnson.....	36,000	40	154	---	9,150
Columbia Quarry Co.....	Krause.....	St. Clair.....	430,407	102	237	---	137,680
Columbia Quarry Co.....	Valmeyer.....	Monroe.....	305,456	62	285	---	148,750
Dolene & Shepard Co.....	Chicago.....	Cook.....	751,051	76	276	---	12,550
Eldred Stone Co.....	Eldred.....	Greene.....	1,598,134	20	250	---	3,000
Elmhurst-Chicago Stone Co.....	Elmhurst.....	DuPage.....	264,631	40	244	---	73,200
John Fair & Co.....	Belvidere.....	Boone.....	26,250	8	175	---	5,800
Federal Stone Co.....	LaGrange.....	Cook.....	500,000	56	280	---	100
John Hendrickson.....	Baravia.....	Kane.....	1,056	1	177	50	---
Illinois Electric Limestone Co.....	St. Louis, Mo.....	St. Clair.....	387,151	100	250	---	125,000
Illinois Limestone Co.....	West York.....	Clark.....	3,725	12	44	---	390
Illinois State Penitentiary.....	Joliet.....	Will.....	100,601	180	165	---	39,650
Lehigh Stone Co.....	Lehigh.....	Kankakee.....	350,300	73	305	---	55,200
Lehigh Portland Cement Co.....	Oglesby.....	LaSalle.....	394,187	361	219	---	106,410
Lincoln Crushed Stone Co.....	Joliet.....	Will.....	250,000	30	180	---	90,000
Marblehead Lime Co.....	Quincy.....	Adams.....	27,341	32	300	15,325	---
Marblehead Lime Co.....	Marblehead.....	Adams.....	47,908	46	300	16,635	---
Marquette Cement Manufacturing Co.....	Joliet.....	Will.....	78,745	29	212	---	28,400
Marquette Cement Manufacturing Co.....	LaSalle.....	LaSalle.....	1,284,667	790	300	---	500,800

TABLE 1—Concluded.

Name of operator.	Location of plant.		Produce- tion in tons.	Num- ber em- ployed.	Days worked.	Explosives used.	
	Postoffice.	County.				Powder— kgs.	Dyna- mite— pounds.
Material Service Co.....	Chicago.....	Cook.....	300,000	40	250	.....	80,000
Medusa Portland Cement Co.....	Dixon.....	Lee.....	429,738	282	344	.....	97,070
Mississippi Lime & Material Co.....	Alton.....	Madison.....	281,300	31	250	.....	91,000
Morris Limestone Products Co.....	Morris.....	Kendall.....	150,000	10	300	.....	4,000
National Stone Co.....	Ellettsville.....	Will.....	3,282,609	35	217	.....	124,300
A. O. Nordstrom.....	Ellettsville.....	Bureau.....	400	2	100	.....	50
A. C. O'Laughlin Co.....	Hillsdale.....	Cook.....	479,000	70	271	.....	200,000
Joseph F. Potthast.....	Perron.....	Bond.....	1,887	10	38	.....	400
Red Bud Quarry Co., Inc.....	Red Bud.....	Randolph.....	2,500	7	120	.....	500
Reliance Whiting Co.....	Alton.....	Madison.....	5,407	13	220	.....	1,100
Riverside Lime & Stone Co.....	Joy.....	Cook.....	207,897	50	200	.....	110,000
Rockford Township.....	Shederville.....	Winnebago.....	25,091	20	90	.....	10,000
Southern Illinois Limestone Co.....	Belleville.....	St. Clair.....	3,000	12	20	.....	500
Southern Illinois Penitentiary.....	Menard.....	Randolph.....	47,796,635	700	281	.....	8,000
St. Clair County Workhouse.....	Belleville.....	St. Clair.....	81,098	15	90	.....	250
Stearns Lime & Stone Co.....	Chicago.....	Cook.....	5,000	110	308	.....	21,000
Stolz Quarry.....	Maestown.....	Monroe.....	231,140	12	110	.....	2,000
Superior Stone Co.....	LaGrange.....	Cook.....	31,729	45	307	.....	76,150
Utica Hydraulic Cement Co.....	Utica.....	Rock Island.....	24,000	75	365	.....	48,000
United States Gypsum Co.....	Cordova.....	St. Clair.....	3,000	23	220	.....	9,450
Wachtel & Arnstutz.....	Hecker.....	St. Clair.....	.....	5	90	.....	500
Total.....	.....	.....	61,001,157	4,158	10,358	32,010	2,367,793



TABLE 2—OIL AND GAS.

Name of operator.	Postoffice address of the operator.	County in which well is located.	Number of wells.	Production.		Number employed.	Explosives—nitro-glycerine—quarts.
				Oil—barrels.	Gas—1,000 cubic feet.		
Albert & Harris.....	Robinson.....	Crawford.....	11	730	.....	1	.....
Adair Oil Co.....	New York, N. Y.....	Lawrence.....	3	3,221	.....	1	.....
Adams Corners Oil Co.....	Allendale.....	Wabash.....	21	22,898	6,000	4	.....
American Oil Development Co.....	Pittsburgh, Pa.....	Crawford.....	101	25,023	.....	6	70
American Oil Development Co.....	Pittsburgh, Pa.....	Clark.....	34	11,270	.....	3	.....
Arkansas Fuel Oil Co.....	Shreveport, La.....	Clark.....	2	738	.....	1	.....
Arkansas Fuel Oil Co.....	Shreveport, La.....	Crawford.....	112	22,207	7,200	13	600
Arkansas Fuel Oil Co.....	Shreveport, La.....	Wabash.....	8	5,822	.....	1	100
Associated Producers Co.....	Robinson.....	Coles.....	16	1,525	.....	1	.....
Associated Producers Co.....	Robinson.....	Clark.....	132	31,477	.....	9	.....
Associated Producers Co.....	Robinson.....	Crawford.....	480	252,857	.....	87	230
Associated Producers Co.....	Robinson.....	Lawrence.....	107	31,758	.....	6	140
Associated Producers Co.....	Robinson.....	Wabash.....	150	1,031	.....	1	.....
Ava Oil & Gas Co.....	Murphysboro.....	St. Clair.....	4	9,314	.....	2	400
H. D. Barker.....	Robinson.....	Crawford.....	21	3,650	.....	1	.....
Bascim & Sandus.....	Bridgeport.....	Lawrence.....	9	844	.....	1	.....
C. O. Barnett & Co.....	St. Louis, Mo.....	St. Clair.....	3	1,200	.....	1	140
Bell Bros.....	Robinson.....	Crawford.....	55	10,611	.....	4	.....
Bell Bros.....	Robinson.....	Cumberland.....	64	6,065	.....	3	.....
Big Four Oil & Gas Co.....	Robinson.....	Wabash.....	3	1,575	.....	1	.....
Bradford Oil Corp.....	Pittsburgh, Pa.....	Lawrence.....	108	40,000	1,200,000	24	500
Breen Oil Co.....	Robinson.....	Wabash.....	10	5,475	.....	2	.....
Brennenman & MacDonell.....	Mount Carmel.....	Wabash.....	8	6,603	.....	2	.....
Clark & Armstrong Lease.....	Lima.....	Crawford.....	97	20,851	.....	12	.....
Lu Cole, trustee.....	Lawrenceville.....	Wabash.....	3	1,161	.....	1	.....
Coon Creek Oil Co.....	Marshall.....	Clark.....	8	355	.....	1	.....
Craig & Lourie.....	Pittsburgh, Pa.....	Wabash.....	4	3,184	.....	1	60
Craig & Lourie.....	Pittsburgh, Pa.....	Crawford.....	94	23,206	.....	10	.....
Craig & Lourie.....	Pittsburgh, Pa.....	Lawrence.....	9	2,737	.....	1	.....
Craig & Lourie.....	Pittsburgh, Pa.....	Wabash.....	3	275	.....	1	.....
W. L. Curtis Co.....	Elmira, N. Y.....	Lawrence.....	17	14,175	.....	2	.....
Dane Oil Co.....	Nadison, Wis.....	Wabash.....	5	5,613	.....	1	.....
D. C. Davis.....	Narietta, Ohio.....	Clark.....	64	4,745	.....	3	.....
M. L. Dorsey.....	Robinson.....	Crawford.....	1	250	.....	1	.....

TABLE 2—Continued.

Name of operator.	Postoffice address of the operator.	County in which well is located.	Number of wells.	Production.		Number employed.	Explosives—nitro-glycerine—quarts.
				Oil—barrels.	Gas—1,000 cubic feet.		
Philip E. Elting.	Macomb.	McDonough.	26	43,014	—	4	—
Eureka Oil Corp.	Centralia.	Marion.	6	1,154	—	1	—
Thomas Flynn & Crowley.	Robinson.	Crawford.	1	385	—	1	—
Henry Garvey, Jr.	St. Francisville.	Lawrence.	3	3,650	—	1	—
Gee Oil Co.	Tulsa, Okla.	Lawrence.	17	7,072	7,200,000	3	—
F. G. Goodfellow & W. J. Grant.	East St. Louis.	St. Clair.	2	1,560	—	1	240
Gorman & Weill.	Sandoval.	St. Clair.	3	10,950	—	2	380
Hart & Woodworth.	East St. Louis.	St. Clair.	5	2,000	—	2	1,000
Hamilton Production Co.	Cincinnati, Ohio.	Lawrence.	62	41,901	—	10	—
Hefly, Jory & Hansler Co.	Centralia.	Marion.	8	889	—	1	—
Hope Oil Co.	Allendale.	Wabash.	6	6,935	—	1	—
Illino Oil Corp.	St. Louis, Mo.	St. Clair.	8	7,300	—	1	910
James Oil Co.	Centralia.	Marion.	4	5,380	—	1	—
C. E. Karns & Co.	Robinson.	Crawford.	44	3,658	—	7	—
Karns & Schrecongost.	Robinson.	Crawford.	29	6,332	—	5	—
Wm. C. Kennedy Co.	Bradford, Pa.	Crawford.	249	61,914	—	27	—
Kewanee Oil & Gas Co.	Titusville, Pa.	Clark.	46	6,327	—	2	—
Kewanee Oil & Gas Co.	Titusville, Pa.	Crawford.	229	60,448	—	28	—
Kewanee Oil & Gas Co.	Titusville, Pa.	Lawrence.	43	17,952	—	6	—
Katy Keyser.	Lawrenceville.	Wabash.	3	1,963	—	1	—
Chas. E. Knox.	End, Okla.	St. Clair.	1	3,946	—	1	70
Lamberton Bros.	Tulsa, Okla.	Crawford.	1	1,055	—	1	—
Leader Oil & Gas Development Co.	St. Louis, Mo.	St. Clair.	2	300	—	1	—
Leighty Oil Co.	Tulsa, Okla.	Lawrence.	10	4,507	1,430,000	3	—
Liberty Oil & Gas Co.	Warren, Pa.	Crawford.	33	7,593	—	3	—
Lindsay & Sammel.	Robinson.	Wabash.	4	6,576	—	1	—
Wm. Lohmann.	St. Louis, Mo.	St. Clair.	1	600	—	1	100
Henry C. Lord.	Robinson.	Crawford.	10	1,301	4,800	1	—
Lucky Seven Oil Corp.	East St. Louis.	St. Clair.	2	870	—	1	280
Mahutska Oil Co.	Robinson.	Crawford.	277	68,782	—	30	—
Mahutska Oil Co.	Robinson.	Lawrence.	2	459	—	1	—
Mahutska Oil Co.	Robinson.	Clark.	8	7,072	30	1	—
Mahutska Oil Co.	Robinson.	Wabash.	5	5,457	—	1	—
Mahutska Oil Co.	Robinson.	Wabash.	4	6,300	—	2	—
Mallory & Crawford.	Bradford, Pa.	Crawford.	19	11,327	—	1	—
Max Oil Co.	Allendale.	Wabash.	9	24,666	—	1	—
Mayhugh Oil Co.	Allendale.	Wabash.	13	—	—	1	—

W. C. McBride, Inc.	St. Louis, Mo.	Clark.	13,298	50	5	120
W. C. McBride, Inc.	St. Louis, Mo.	Crawford.	15,703	38	2	
W. C. McBride, Inc.	St. Louis, Mo.	Wabash.	5,394	8	2	60
Alex. V. McCandless	Robinson.	Crawford.	3,912	3	1	
Reserve Oil Co.	Aurora.	Crawford.	2,598	3	1	
Mid-Egypt Gas & Oil Co.	Dupo.	Jackson.	2,044	18	4	300
Mossman Bros. & Son.	St. Clair.	St. Clair.	1,500	2	1	
W. U. Minges & Kramer	St. Louis, Mo.	St. Clair.	1,825	1	1	
M. M. & T. T. Oil Co.	Centraln.	Marion.	7,300	23	2	
New York Petroleum Co.	Parkersburg, W. Va.	Crawford.	3,352	10	1	
Nolan & Lamberton.	Tulsa, Okla.	Clark.	3,134	4	1	100
Northern Oil Co.	Cleveland, Ohio.	Crawford.	3,060	17	2	800
Northern Oil Co.	Findlay, Ohio.	Clark.	10,783	107	2	
Ohio Oil Co.	Findlay, Ohio.	Clark.	213,525	988	99	
Ohio Oil Co.	Findlay, Ohio.	Clark.	32,752	110	13	
Ohio Oil Co.	Findlay, Ohio.	Crawford.	882,722	4,104	323	820
Ohio Oil Co.	Findlay, Ohio.	Cumberland	106,557	612	20	
Ohio Oil Co.	Findlay, Ohio.	Hancock.	1,621,028	2,876	430	603
Ohio Oil Co.	Findlay, Ohio.	Lawrence.	18,606	38	12	
Ohio Oil Co.	Findlay, Ohio.	Marion.	67,983	258	19	
Ohio Oil Co.	Findlay, Ohio.	McDonough.	1,451	1	1	
Ohio Oil Co.	Findlay, Ohio.	Monroe.	73,775	14	1	
Ohio Oil Co.	Findlay, Ohio.	St. Clair.	6,600	40	49	4,560
Ohio Oil Co.	Findlay, Ohio.	Wabash.	6,781	11	4	
Ohio Oil Co.	Robinson.	Crawford.	14,600	22	4	
James Pease & Co.	Olney.	Lawrence.	11,818	19	2	
Pemberton Oil & Gas Co.	St. Louis, Mo.	Marion.	2,015	27	3	340
Petro Oil & Gas Co.	St. Louis, Mo.	St. Clair.	1,630	1	1	160
Pilot Oil Co.	St. Louis, Mo.	St. Clair.	160	1	1	
Ostos Pogue	Salem.	St. Clair.	30,789	1	0	35
Salem Oil Co.	Tulsa, Okla.	Crawford.	3,447	56	2	180
Selby-Cisler Producing Co.	St. Louis, Mo.	Crawford.	132,500	143	22	290
Silurian Oil Co.	St. Louis, Mo.	Lawrence.	3,420	4	1	
John T. Smith.	Robinson.	Crawford.	2,712	4	1	
John T. Smith.	Robinson.	Clark.	4,371	18	1	
Southern Oil Co.	Pittsburgh, Pa.	Clark.	32,120	31	13	
Southern Oil & Gas Co.	Sandoval.	Marion.	15,000	8	8	1,000
St. Clair Oil Co.	Mt. Vernon.	St. Clair.	415	4	1	
Steele & Steele.	Robinson.	Crawford.	1,420	22	1	
Al. Sthor.	Casey.	Clark.	6,000	4	1	560
Sugar Loaf Oil Co.	Dupo.	St. Clair.	300	2	1	220
Z. V. Szabados & Co.	St. Louis, Mo.	St. Clair.	250	2	1	
J. H. Taylor.	Flat Rock.	Lawrence.	4,941	2	1	
Tracy Oil Co.	Mount Carmel.	Wabash.	6,790	2	3	
Treat & Hayes Oil Co.	Pittsburgh, Pa.	Lawrence.	21,986	9	0	
Trenton Rock, Oil & Gas Co.	Casey.	Clark.	7,300	42	6	
Triangle Oil Co.	Knightstown, Ind.	St. Clair.		4	1	410

TABLE 2—Concluded.

Name of operator.	Postoffice address of the operator.	County in which well is located.	Number of wells.	Production.		Number employed.	Explosives—nitro-glycerine—quarts.
				Oil—barrels.	Gas—1,000 cubic feet.		
Turner, Myers & Ellis.....	Casey.....	Clark.....	3	1,385	—	1	—
Snowden & McSweeney Co.....	New York, N. Y.....	Lawrence.....	255	149,738	85,948	41	—
Snowden & McSweeney Co.....	New York, N. Y.....	Wabash.....	6	3,520	—	3	—
Turner Oil Co.....	Casey.....	Clark.....	22	2,271	—	1	40
Wabash Oil Co.....	Allendale.....	Wabash.....	5	4,711	—	1	—
Warner-Caldwell Co.....	Titusville, Pa.....	Crawford.....	57	745,400	12,000	7	—
Webster Drilling Co.....	Centralia.....	Marion.....	4	1,120	—	1	—
W. C. Haley.....	St. Louis, Mo.....	St. Clair.....	1	895	—	1	140
J. W. Whiteside & Co.....	Allendale.....	Wabash.....	3	766	—	1	—
B. F. & Fannie H. Wirebak Oil Co.....	Vincennes, Ind.....	McDonough.....	10	3,650	—	1	—
Wiser Oil Co.....	Sistersville, W. Va.....	Lawrence.....	22	5,202	—	1	—
Wiser Oil Co.....	Sistersville, W. Va.....	Crawford.....	27	3,010	—	2	155
W. H. Young.....	Pittsburgh, Pa.....	Lawrence.....	8	1,240	—	1	—
J. S. Young.....	Lawrenceville.....	Wabash.....	40	63,000	—	10	160

TABLE 3—SAND AND GRAVEL.

Name of operator.	Location of plant.		Production in tons.	Number employed.	Days worked.	Explosives used.	
	Postoffice.	County.				Powder—kegs.	Dynamite—pounds.
Paul Ales, Inc.	Lockport.	Will.	581,000	50	225		
American Sand & Gravel Co.	Carpenterville.	Kane.	1,252	2	50		
American Sand & Gravel Co.	Algonquin.	Henry.	88,239	20	100		
Anderson Sand & Gravel Co.	Rockford.	Winnebago.	99,000	10	308		
Anderson-Theobald Co.	Lawrenceville.	Lawrence.	100,000	10	250		1,000
Aschford Brothers.	Byron.	Ogle.	51,000	4	250		
Aurora Gravel Co.	Aurora.	Kane.	21,537	2	300		
Bader Woods & Sons.	Moline.	Rock Island.	5,435,850	10	210		
Fred Rosert.	Greenville.	Bond.	1,500	2	150		
Chicago Gravel Co.	Spaulding.	Cook.	754,288	36	147		
Chicago Gravel Co.	Plainfield.	Will.	475,265	28	198		
Chicago Gravel Co.	Joliet.	Will.	707,822	39	174		
Illinois Sand & Gravel Co.	Oswego.	Kendall.	715,243	39	190		
Chinn Brothers.	LaSalle.	LaSalle.	3,693	2	300		
Chubbill Gravel Co.	Pontiac.	Livingston.	12,000	6	100		
Colby Gravel Co.	Granville.	Putnam.	50,000	9	150		
H. D. Conkey & Co.	Aurora.	Kane.	241,189	30	250		
H. D. Conkey & Co.	Oregon.	Ogle.	29,462	10	200		
H. D. Conkey & Co.	Moronts.	Putnam.	50,801	10	200		
H. D. Conkey & Co.	Yorkville.	Kendall.	70,155	20	200		
C. Dean Gravel Co., Inc.	Chillicothe.	Peoria.	350,000	20	195		
S. S. Davis Hydraulic Sand & Gravel Co.	Rock Island.	Rock Island.	2,699	3	50		
Decatur Brothers.	Decatur.	Macon.	80,000	10	312		
Dupper Brothers.	West Chicago.	Macon.	11,075	5	270		
DuPage Sand & Gravel Co.	DuPage.	DuPage.	40,000	4	135		500
E. H. Eastwood Sand & Gravel Co.	East Peoria.	Tazewell.	30,000	5	250		
E. H. Eastwood Sand & Gravel Co.	Grayville.	White.	50,000	12	290		
F. Emmerich & Son.	Galena.	Jo Daviess.	5,000	5	180		
W. H. Fie.	Oregon.	Ogle.	2,000	1	50		
Galesburg Sand & Gravel Co.	Burnett.	Bureau.	37,978	3	300		200
W. E. Gieckill.	Buda.	Bureau.	2,860	3	180		30
W. H. Gieckill.	Freeport.	Stephenson.	1,030	1	175		
Wm. F. Gieckill.	Belvidere.	Boone.	1,138	2	105		
Wm. B. Glass.	Gladstone.	Henderson.	5,175	8	120		
W. H. Graham.	Ritchie.	Will.	10,280	2	211		
L. M. Gundy.							

TABLE 3—Concluded

Name of operator.	Location of plant.		Production in tons.	Number employed.	Days worked.	Explosives used.	
	Postoffice.	County.				Powder—kegs.	Dynamite—pounds.
H. H. Halliday Sand Co.	Cairo.	Alexander.	58,280	20	250		
Hamilton Washed Sand & Gravel Co.	Warsaw.	Hancock.	8,000	5	120		
Geo. Hibberd & Son.	Peoria.	Peoria.	1,720	2	250		
H. P. B. Sand & Gravel Co.	Rockford.	Winnebago.	32,849	6	275		
I. C. R. R. Gravel Washing Plant.	Forreston.	Ogle.	270,450	14	231		150
Joliet Gravel Co.	Millsdale.	Will.	192,082	25	250		
Marcia Knox.	Round Grove.	Whiteside.	300	2	12		
W. W. Krahn.	Dundee.	Kane.	7,500	1	200		
Krumpf Bros.	Barrington.	Kane.	10,763	2	208		
Loehr & Von Templehof.	Rock Falls.	Whiteside.	12,020	4	230		6
Loko Sand Corporation.	Chicago.	Cook.	593,601	44	300		
Larsen & Larsen Sand Co.	Ritchey.	Will.	7,000	5	100		
Lincoln Sand & Gravel Co.	Lincoln.	Logan.	245,966	30	260		
Kind B. D. Luiz.	Joliet.	Will.	2,925	2	175		
Charles D. Luiz.	Mulberry Grove.	Bond.	9,700	8	150		
Mrs. Christina Madison.	Sheffield.	Bureau.	400	1	30		
Geo. T. McCulloch.	Gurnee.	Lake.	3,000	2	60		
McGrath Sand & Gravel Co.	Pekin.	Tazewell.	340,348	30	279		125
McGrath Sand & Gravel Co.	Forreston.	Ogle.	198,393	25	237		50
McGrath Sand & Gravel Co.	Chalicothe.	Peoria.	610,139	30	292		125
McGrath Sand & Gravel Co.	MacKinaw.	Tazewell.	62,833	8	227		400
McKinney Bros.	Vandalia.	Fayette.	3,325	5	160		
A. L. Meehling Gravel Co.	Stifford.	Bureau.	15,000	3	182		
Milan Sand & Gravel Co.	Milan.	Rock Island.	8,653	3	225		
Miller Investment Co.	Greenville.	Bond.	7,000	12	150		
Moline Consumers Co.	Ottawa.	LaSalle.	270,000	24	250		
James Moreland.	Jacon.	Marshall.	10,630	4	200		
Morton Sand & Gravel Co.	Wayne.	DuPage.	330,000	20	180		
Ida C. Moulton.	Franklin Grove.	Lee.	1,527	2	90		
Mt. Carmel Sand & Gravel Co.	Mt. Carmel.	Wabash.	56,750	12	278		
Conrad Munz.	Fairbury.	Livingston.	1,500	1	24		
Neal Gravel Co.	Palatine.	Crawford.	8,700	10	200		
J. C. Nicholson.	Tonica.	LaSalle.	18,045	2	100		
Gust. Nicol Sand Co.	Greenville.	Bond.	4,356	8	150		15
Gust. Nicol Sand Co.	Arenzville.	Cass.	4,356	4	80		
C. F. Nordstrom Sons.	Rockford.	Winnebago.	202,000	8	220		
North Shore Material Co.	Libertyville.	Lake.	202,000	15	200		
Novaculite Paving.	Lamm.	Alexander.	72,435	25	145		1,250

Henry Olson.....	Zion.....	Lake.....	25,250	5	165	10
Jacob Ott.....	Tonica.....	LaSalle.....	1,500	4	18	
Wm. Peterson & Sons.....	Greenville.....	Bond.....	6,000	2	100	
Frank Piska.....	Woodstock.....	McHenry.....	7,510	2	280	
Purity Molding Sand Co.....	Dallas City.....	Henderson.....	22,000	8	200	
Quincy Sand Co.....	Quincy.....	Adams.....	32,175	6	200	
John Reding.....	Park Ridge.....	Cook.....	10,000	3	130	
A. Y. Reed Gravel Co.....	Chicago.....	Cook.....	400,000	14	200	
W. H. Ritzert.....	Naperville.....	DuPage.....	40,000	15	250	
Rock Island Sand & Gravel Co.....	Rock Island.....	Rock Island.....	100,000	15	200	
Rockton Molding Sand Co.....	Rockton.....	Winnebago.....	15,000	3	160	
Aug. Rudat.....	Crystal Lake.....	McHenry.....	2,250	2	160	
Wm. R. Schneider.....	Elgin.....	Kane.....	5,000	6	90	
Service Sand & Gravel Co.....	Rockford.....	Winnebago.....	90,000	8	210	
Sheridan Sand & Gravel Co.....	Sheridan.....	LaSalle.....	70,000	10	150	
South Elgin Sand & Gravel Co.....	South Elgin.....	Kane.....	300,000	18	200	
Spicer Gravel Co.....	Marseilles.....	LaSalle.....	18,359	5	250	100
Springfield-Pekin Sand & Gravel Co.....	Pekin.....	Tazewell.....	197,884	12	298	
Sprinkel Bros.....	Aurora.....	Kane.....	3,000	1	60	
Standard Building Materials Co.....	East St. Louis.....	St. Clair.....	266,579	11	250	
Stocker Gravel & Construction Co.....	Hughland.....	Madison.....	12,372	3	250	1,200
Superior Material Co.....	Lisle.....	DuPage.....	25,742	7	189	
Terry & Lewis Sand & Gravel Co.....	Galesburg.....	Henderson.....	38,475	4	234	
Warren Sand Co.....	Mulberry Grove.....	Bond.....	3,500	3	200	
Western Sand & Gravel Co.....	Spring Valley.....	Bureau.....	270,000	18	200	
Wisconsin Lime & Cement Co.....	Crystal Lake.....	McHenry.....	955,164	52	202	
Yourtee-Roberts Sand Co.....	Chester.....	Randolph.....	64,759	5	250	
Total.....			16,777,150	1,080	18,891	5,161

TABLE 4—SHALE AND CLAY.

Name of operator.	Location of plant.		Production in tons.	Number employed.	Days worked.	Explosives used.	
	Postoffice.	County.				Powder—kegs.	Dynamite—pounds.
Albion Brick Co.	Albion	Edwards	35,000	54	300		8,000
Albion Shale Brick Co.	Albion	Edwards	25,000	37	200		8,000
Alton Brick Co.	Edwardsville	Madison	37,637	56	272		12,000
Beard Bros.	Calchester	McDonough	12,848	7	200		
J. M. Beal & Co.	Paw Paw	Lee	6,300	18	156		
Bellevue Brick Co.	Bellevue	St. Clair	18,884	21	176		
Bolinsuck Brick Co.	Chicago	Cook	150,000	86	200		
Alexander Burkee Sons	Chicago	Cook	76,000	64	216		
Campbell Hill Brick Co.	Campbell Hill	Cook	5,004	31	120	800	
Campus Brick Co.	Campus	Jackson	1,694	9	120		
Canton Brick Co.	Canton	Fulton	12,021	35	122		750
Chatsworth Brick & Tile Factory.	Chatsworth	Livingston	2,702	15	270		
Chicago Brick Co.	Chicago	Cook	77,108	99	132		
Chicago Refrort & Fire Brick Co.	Ottawa	Cook	52,000	9	307	502	711
Wm. S. Damhorst	Quincy	LaSalle	5,400,000	102	175		
Danville Brick Co.	Danville	Adams	36,000	12	218		
Decatur Brick Mfg. Co.	Springfield	Vermilion	3,700	102	218		
W. S. Dieley Clay Mfg. Co.	Macomb	McDonough	36,000	225	190		1,500
Eastern Illinois Clay Co.	St. Anne	McDonough	52,000	44	300		5,000
F. E. Fiegle	Morrisville	Christian	1,080	4	182		
Ford Brick & Tile Co.	Harrisburg	Saline	3,000	15	100		200
Gates Fire Clay Co.	Calchester	McDonough	3,500	40	200		3,600
Haeger Brick & Tile Co.	Aurora	Grundy	10,676	7	200		2,600
Herrick Clay Mfg. Co.	Ottawa	LaSalle	20,000	20	300		3,000
Hill Brick Co.	O Fallon	St. Clair	61,771	68	254		
O. W. Hughes	Carmi	White	1,476	14	250		
Hull & Gustafson	Cambridge	Henry	10,000	10	208		1,100
Hydraulic Press Brick Co.	East St. Louis	St. Clair	8,500	11	175		31,000
Hydraulic Press Brick Co.	Spartan	Marshall	33,500	95	225		
Hydraulic Press Brick Co.	Collinsville	Madison	13,961	101	134	7,200	
Illinois Brick Co., Yard No. 17	Blue Island	Cook	72,413	106	137		
Illinois Brick Co., Yard No. 22	Blue Island	Cook	73,853	160	65		
Illinois Brick Co., Yard No. 30	Berens	Cook	114,855	128	217		
Illinois Brick Co., Yard No. 35	Dalton	Cook	86,617	98	102		
Illinois Brick Co., Yard No. 40	Lansing	Cook	82,747	133	156		
Illinois Brick Co., No. 1	Northbrook	Cook	43,131	98	81		
Illinois Brick Co., No. 3	Evansston	Cook	61,945	108	111		
Illinois Clay Products Co.	Goose Lake	Grundy	80,000	24	312		4,000



Illinois Koolin Co.	Anna.....	4,000	20	250	200
Kankakee Tile & Brick Co.	Kankakee.....	45,371	59	308	---
Kloss Brick Co.	Belleville.....	9,000	12	180	---
Lake View Brick Co.	Chicago.....	37,500	50	180	---
Lake View Brick Co.	Niles Center.....	87,500	70	210	200
Lowell Stoneware Co.	Tonica.....	150	12	160	50
Mathiesen & Hegeler Zinc Co.	LaSalle.....	1,062	3	43	16
McLaughlin Mining Co.	Alsey.....	28,043	20	365	600
McLeansboro Shale Products Co.	McLeansboro.....	14,761	20	208	---
Metcalf Drain Tile Works.....	Metcalf.....	600	12	230	---
Mid-West Brick Co.	Lowell.....	57,750	104	261	3,600
Moody Bros.	Corlinsville.....	600	5	174	---
Morton Brick & Tile Works.....	Morton.....	1,000	9	208	---
Mt. Olive Brick & Tile Co.	Mt. Olive.....	925	5	130	---
Munson Bros & Co.	Macoupin.....	2,800	9	200	---
Murphysboro Paving Brick Co.	Murphysboro.....	37,075	56	213	5,400
National Brick Co.	Niles Center.....	106,104	118	115	---
National Brick Co.	Chicago Heights.....	136,575	100	165	300
National Brick Co.	Deerfield.....	74,400	105	95	500
National Fireproofing Corp.	Ottawa.....	30,000	60	300	---
Northwestern Clay Mfg. Co.	Moline.....	30,000	80	300	1,000
Northwestern Terra Cotta Co.	Calchester.....	10,750	14	168	7,000
Oberschelp Brick & Tile Co.	Princeton.....	4,800	12	230	---
Peoria Brick & Tile Co.	East Peoria.....	36,000	49	270	10,000
Poston-Springfield Brick Co.	Springfield.....	48,850	116	225	4,000
Purinton Paving Brick Co.	Streator.....	60,115	133	227	14,660
Purinton Paving Brick Co.	Galesburg.....	99,378	296	211	2,220
Richards Brick Co.	Edwardsville.....	13,755	47	200	---
Royal Sand & Clay Products Co.	Dayton.....	1,788	7	320	1,000
Shale Products Co.	Carthage.....	4,000	10	260	200
W. S. Shaw Co.	Carthage.....	6,122	35	170	---
Sheffield Shale Products Co.	Sheffield.....	15,000	32	200	---
St. Anne Brick & Tile Co.	St. Anne.....	40,762	59	306	---
St. Anne Brick & Tile Co.	Beaverville.....	13,264	34	224	---
St. Elmo Brick & Tile Co.	St. Elmo.....	108,910	40	177	2,500
Streator Brick Co.	Streator.....	74,264	82	254	---
Streator Clay Mfg. Co.	Streator.....	66,303	221	265	2,000
Streator Drain Tile Co.	Streator.....	34,278	84	300	750
Stoneware Pipe Co., The.	Alton.....	2,730	42	178	32
Springfield Clay Products Co.	Springfield.....	26,676	49	300	4,000
Tuthill Building Material Co.	Blue Island.....	77,828	85	190	---
Walker Clay Products Co.	Gilberts.....	1,728	22	90	---
Western Brick Co.	Danville.....	110,000	127	300	16,000
Western Brick Co.	Vernilion.....	175,000	288	300	---
Whitacre-Greer Fireproofing Co.	Chicago Heights.....	61,717	108	297	---
Total.....		8,623,522	5,163	17,322	27,650
					156,791

TABLE 5—SILICA.

Name of operator.	Location of plant.		Production in tons.	Number employed.	Days worked.	Explosives used.	
	Postoffice.	County.				Powder—kegs.	Dynamite—pounds.
American Minerals Corp.	Tamms	Alexander	1,068	18	98		
International Silica Co.	Ottawa	LaSalle	358,002	62	280		64,000
Manitow Chemical Co.	Carro	Alexander	9,252	21	165	25	4,090
National Service Corp.	Manito	Tazewell	20,000	48	275		
National Plate Glass Co.	Ottawa	LaSalle	3,000,000	30	250		50,000
Novaculite Paving Co.	Ottawa	LaSalle	110,220	9	265		30,325
Olive Branch Mineral Products Co.	Tamms	Alexander	329	2	9		142
Ottawa Silica Co.	Olive Branch	Alexander	6,000	15	260		2,500
Sinclair Refining Co.	Ottawa	LaSalle	894,868	133	304		
Standard Oil Co.	Olmstead	Pulaski	17,000	34	350		4,000
Standard Silica Co., No. 1	Olmstead	Pulaski	14,440	17	294		
Standard Silica Co., No. 2	Ottawa	LaSalle	187,485	36	300		42,400
Wedron Silica Co.	Ottawa	LaSalle	155,368	16	303		34,550
Western Fire Brick Co.	Wedron	LaSalle	244,000	54	306		36,500
	Elco.	Alexander	704	6	16		400
Total			5,024,768	501	3,505	25	268,907

TABLE 6—LIMESTONE.

County.	Number of—		Production— tons.	Number of em- ployees.	Average days worked.	Explosives used.	
	Oper- ators.	Plants.				Powder— kegs.	Dynamite —pounds.
Adams.....	4	4	95,920	113	241	31,960	7,610
Bond.....	1	1	1,887	10	38	-----	400
Boone.....	1	1	26,250	8	175	-----	5,800
Bureau.....	1	1	400	2	100	-----	50
Clark.....	3	3	20,513	44	65	-----	9,797
Cook.....	8	8	2,564,186	577	257	-----	503,800
DuPage.....	2	2	276,231	43	189	-----	73,200
Green.....	1	1	1,568,134	20	250	-----	3,000
Hardin.....	1	1	3,000	12	20	-----	500
Johnson.....	1	1	36,000	40	154	-----	9,150
Kane.....	1	1	1,056	1	177	50-----	-----
Kankakee.....	1	1	350,300	73	305	-----	55,200
Kendall.....	1	1	150,000	10	300	-----	4,000
LaSalle.....	4	4	2,154,425	1,457	295	-----	762,360
Lee.....	2	2	431,538	286	182	-----	97,170
Madison.....	2	2	286,707	44	235	-----	92,100
Monroe.....	2	2	310,456	74	197	-----	150,750
Randolph.....	2	2	47,799,135	707	200	-----	8,500
Rock Island.....	1	1	24,000	23	220	-----	9,950
St. Clair.....	6	6	1,063,973	290	199	-----	278,500
Union.....	1	1	100,000	30	170	-----	3,600
Will.....	4	4	3,711,955	274	193	-----	282,356
Winnebago.....	1	1	25,001	20	90	-----	10,000
Total.....	51	51	61,001,157	4,158	203	32,010	2,367,793

TABLE 7—OIL AND GAS.

County.	Number of—		Production.		Men em- ployed.	Explosives used: nitro- glycerine— quarts.
	Oper- ators.	Wells.	Oil— barrels of (42 gal.).	Gas— 1,000 cu. ft.		
Clark.....	16	1,430	326,332	59,330	137	160
Clinton.....	1	110	32,752	-----	13	-----
Coles.....	1	16	1,525	-----	1	-----
Crawford.....	35	6,827	1,531,200	458,771	602	2,090
Cumberland.....	2	676	112,692	264,859	43	-----
Hancock.....	1	5	557	-----	20	-----
Jackson.....	1	18	2,044	47,801,000	3	-----
Lawrence.....	20	3,717	2,101,624	10,752,667	568	1,533
McDonough.....	3	294	114,657	-----	10	-----
Marion.....	8	141	76,748	-----	40	-----
Monroe.....	1	14	1,481	-----	1	-----
St. Clair.....	21	98	146,863	-----	82	11,270
Wabash.....	22	170	118,797	6,000	39	380
Total.....	100	13,516	4,567,272	59,342,827	1,559	15,433

TABLE 8—SAND AND GRAVEL.

County.	Number of—		Production— tons.	Number of em- ployees.	Average days worked.	Explosives used.	
	Oper- ators.	Plants.				Powder— kegs.	Dynamite —pounds.
Adams.....	1	1	32,175	6	200		
Alexander.....	2	2	130,705	45	197		1,250
Bond.....	6	6	46,345	37	150		15
Boone.....	1	1	1,138	2	105		
Bureau.....	5	5	326,328	28	178		230
Cass.....	1	1	4,356	4	80		
Cook.....	4	4	175,889	97	184		
Crawford.....	1	1	8,700	10	200		
DuPage.....	4	4	435,742	46	201		500
Fayette.....	1	1	3,325	5	160		
Hancock.....	1	1	8,000	5	120		
Henderson.....	3	3	65,650	20	184		
Henry.....	1	1	88,239	20	100		
JoDavies.....	1	1	5,000	5	180		
Kane.....	8	8	590,241	70	148		
Kendall.....	2	2	785,398	59	195		
Lake.....	3	3	230,250	22	141		
LaSalle.....	6	6	368,552	47	194		110
Lawrence.....	1	1	100,000	10	250		
Lee.....	1	1	1,537	2	278		
Livingston.....	2	2	13,500	7	62		
Logan.....	1	1	245,966	30	260		
McHenry.....	3	3	964,924	56	214		
Macon.....	2	2	91,075	15	291		
Madison.....	1	1	12,372	3	250		1,200
Marshall.....	1	1	10,620	4	200		
Ogle.....	5	5	551,305	54	193		1,200
Peoria.....	3	3	961,859	52	245		125
Putnam.....	2	2	100,801	19	175		
Randolph.....	1	1	64,759	5	250		
Rock Island.....	4	4	5,547,202	31	171		
St. Clair.....	1	1	266,579	11	250		
Stephenson.....	1	1	1,030	1	175		
Tazewell.....	4	4	621,065	55	263		525
Wabash.....	1	1	56,750	12	278		
White.....	1	1	50,000	12	290		
Whiteside.....	2	2	12,320	6	121		6
Will.....	7	7	1,976,374	151	189		
Winnebago.....	5	5	239,079	34	234		
Total.....	91	100	15,195,150	1,098	189		5,161

TABLE 9—SHALE AND CLAY.

County.	Number of—		Production— tons.	Number of em- ployees.	Average days worked.	Explosives used.	
	Oper- ators.	Plants.				Powder— kegs.	Dynamite —pounds.
Adams.....	1	1	5,400,000	12	175	-----	-----
Boone.....	1	1	2,800	9	200	-----	-----
Bureau.....	2	2	19,800	44	210	-----	-----
Christian.....	1	1	1,980	4	182	-----	-----
Cook.....	16	16	1,345,953	1,611	164	-----	500
Edgar.....	1	1	600	12	230	-----	-----
Edwards.....	2	2	60,000	91	250	-----	16,000
Fayette.....	1	1	108,910	40	177	-----	2,500
Fulton.....	1	1	12,021	35	122	-----	750
Greene.....	1	1	6,122	35	170	-----	-----
Grundy.....	2	2	90,676	31	256	-----	4,600
Hamilton.....	1	1	14,761	20	208	-----	-----
Henry.....	1	1	10,000	10	208	-----	-----
Iroquois.....	1	1	13,264	34	177	-----	-----
Jackson.....	2	2	42,079	87	166	800	5,400
Kane.....	1	1	1,728	22	90	-----	-----
Kankakee.....	3	3	138,133	162	304	-----	-----
Knox.....	1	1	99,378	296	211	17,550	2,220
Lake.....	1	1	74,400	105	95	-----	500
LaSalle.....	11	11	397,710	735	248	1,468	24,771
Lee.....	1	1	6,300	18	156	-----	-----
Livingston.....	2	2	4,396	24	195	-----	-----
McDonough.....	4	4	63,098	286	191	-----	27,000
Macoupin.....	2	2	1,525	10	152	-----	-----
Madison.....	4	4	68,083	246	202	7,232	-----
Marshall.....	1	1	33,900	95	225	-----	31,000
Menard.....	1	1	4,000	10	260	-----	200
Mercer.....	1	1	30,000	80	300	-----	1,000
St. Clair.....	4	4	98,160	120	196	-----	4,100
Saline.....	1	1	3,000	15	100	-----	200
Sangamon.....	3	3	79,226	235	238	-----	9,500
Scott.....	1	1	28,043	20	365	600	350
Tazewell.....	2	2	37,000	58	239	-----	10,000
Union.....	1	1	4,000	20	250	-----	200
Vermilion.....	3	3	321,000	517	209	-----	16,000
White.....	1	1	1,476	14	250	-----	-----
Total.....	69	83	8,623,522	5,163	209	27,650	156,791

TABLE 10—SILICA.

County.	Number of—		Production— tons.	Number of em- ployees.	Average days worked.	Explosives used.	
	Oper- ators.	Plants.				Powder— kegs.	Dynamite —pounds.
Alexander.....	5	5	17,383	62	109	25	7,132
LaSalle.....	7	7	4,955,945	340	291	-----	257,775
Pulaski.....	2	2	31,440	51	322	-----	4,000
Tazewell.....	1	1	20,000	48	275	-----	-----
Total.....	14	15	5,024,768	501	233	25	268,907

TABLE 11—SUMMARY OF TABLES 6, 7, 8, 9 AND 10.

	Number of—			Production.	Num- ber em- ployed.	Average days worked.	Explosives used.			Acci- dents.	
	Counties.	Operators.	Plants.				Powder— kegs.	Dynamite— pounds.	Nitro- glycerine— quarts.	Fatal.	Non-fatal.
Limestone.....	23	48	51	a 61,001,157	4,158	203	32,010	2,367,793	-----	3	90
Oil and gas.....	13	100	13,516	b 4,567,272	1,559	-----	-----	-----	15,433	1	34
				c 59,342,627							
Sand and gravel.....	39	91	100	a 15,195,150	1,098	189	-----	5,161	-----	-----	27
Shale and clay.....	36	69	83	a 8,632,522	5,163	209	27,650	156,791	-----	2	6
Silica.....	4	14	15	a 5,024,768	501	233	25	268,907	-----	1	15
Total.....	69	322	24,559	a 89,853,597	12,479	193	59,685	2,798,652	15,433	7	172
				b 4,567,272							
				c 59,342,627							

a Tons. b Barrels. c 1,000 cubic feet.

TABLE 12—NUMBER OF OPERATORS, PLANTS, PRODUCTION, EMPLOYEES

County	Limestone.					Oil and gas.				
	Operators.	Plants.	Production— tons.	Employees.	Average days worked.	Operators.	Wells.	Production.		Employees.
								Oil— barrels.	Gas— 1,000 cubicfeet.	
Adams.....	4	4	95,920	113	241					
Alexander.....										
Bond.....	1	1	1,887	10	38					
Boone.....	1	1	26,250	8	175					
Bureau.....	1	1	400	2	100					
Cass.....										
Christian.....										
Clark.....	3	3	20,513	44	65	16	1,430	326,332	59,330	137
Clinton.....						1	119	32,752		13
Coles.....						1	16	1,525		1
Cook.....	8	8	2,564,186	577	257					
Crawford.....						35	6,827	1,531,200	458,771	602
Cumberland.....						2	676	112,692	264,859	43
DuPage.....	2	2	276,231	43	189					
Edgar.....										
Edwards.....										
Fayette.....										
Fulton.....										
Gallatin.....										
Greene.....	1	1	1,568,134	20	250					
Grundy.....										
Hamilton.....										
Hancock.....						1	5	557		20
Hardin.....	1	1	3,000	12	20					
Henderson.....										
Henry.....										
Iroquois.....										
Jackson.....						1	18	2,044	47,801,000	3
Johnson.....	1	1	36,000	40	154					
JoDavies.....										
Kane.....	1	1	1,056	1	177					
Kankakee.....	1	1	350,300	73	305					
Kendall.....	1	1	150,000	10	300					
Knox.....										
Lake.....										
LaSalle.....	4	4	2,154,425	1,457	295					
Lawrence.....							3,717	2,101,624	10,752,667	568
Lee.....	2	2	431,538	286	182					
Livingston.....										
Logan.....										
McDonough.....						3	294	114,657		10
McHenry.....										
Macon.....										
Macoupin.....										
Madison.....	2	2	286,707	44	235					
Marion.....						8	141	76,748		40
Marshall.....										
Menard.....										
Mercer.....										
Monroe.....	2	2	310,456	74	197	1	14	1,481		1
Ogle.....										
Peoria.....										
Pulaski.....										
Putnam.....										
Randolph.....	2	2	47,799,135	707	200					
Rock Island.....	1	1	24,000	23	220					
Saline.....										
Sangamon.....										
Scott.....										
St. Clair.....	6	6	1,063,973	290	199	21	98	146,863		82
Stephenson.....										
Tazewell.....										
Union.....	1	1	100,000	30	170					
Vermillion.....										
Wabash.....						22	170	118,797	6,000	39
White.....										
Whiteside.....										
Will.....	4	4	3,711,955	274	193					
Winnebago.....	1	1	25,091	20	90					
Total.....	48	51	61,001,157	4,158	203	100	13,516	4,567,272	59,342,627	1,559



## AND AVERAGE DAYS WORKED IN DIFFERENT INDUSTRIES, BY COUNTIES.

Sand and gravel.					Shale and clay.					Silica.				
Operators.	Plants.	Production in tons.	Employees.	Average days worked.	Operators.	Plants.	Production in tons.	Employees.	Average days worked.	Operators.	Plants.	Production in tons.	Employees.	Average days worked.
1	1	32,175	6	200	1	1	5,400,000	12	175					
2	2	130,705	45	197						5	5	17,383	62	109
6	6	46,345	37	150										
1	1	1,138	2	105	1	1	2,800	9	200					
5	5	326,325	28	178	2	2	19,800	44	210					
1	1	4,356	4	80										
					1	1	1,980	4	182					
4	4	175,889	97	184	16	16	1,345,953	1,611	164					
1	1	8,700	10	200										
4	4	435,742	46	201										
					1	1	600	12	230					
					2	2	60,000	91	250					
1	1	3,325	5	160	1	1	108,910	40	177					
					1	1	12,021	35	122					
1	1	8,000	5	120										
					1	1	6,122	35	170					
					2	2	90,676	31	256					
					1	1	14,761	20	208					
3	3	65,650	20	184										
1	1	88,239	20	100	1	1	10,000	10	208					
					1	1	13,264	34	177					
1	1	5,000	5	180										
8	8	590,241	70	148	1	1	1,728	22	90					
					3	3	138,133	162	304					
2	2	785,398	59	195										
					1	1	99,378	296	211					
3	3	230,250	22	141	1	1	74,400	105	95					
6	6	368,552	47	194	11	11	397,710	735	248					
1	1	100,000	10	250										
1	1	1,537	2	278	1	1	6,300	18	156					
2	2	13,500	7	62	2	2	4,396	24	195					
1	1	245,966	30	260										
					4	4	63,098	286	191					
3	3	964,924	56	214										
2	2	91,075	15	291	2	2	1,525	10	152					
					4	4	68,083	246	202					
1	1	12,372	3	250										
					1	1	33,900	95	225					
1	1	10,620	4	200	1	1	4,000	10	260					
					1	1	30,000	80	300					
5	5	551,305	54	193										
3	3	961,859	52	245										
2	2	100,801	19	175										
1	1	64,759	5	250										
4	4	5,547,202	31	171										
					1	1	3,000	15	100					
					3	3	79,226	235	238					
					1	1	28,043	20	365					
					4	4	98,160	120	196					
1	1	266,579	11	250										
1	1	1,030	1	175										
4	4	621,065	55	263	2	2	37,000	58	239	1	1	20,000	48	275
					1	1	4,000	20	250					
					3	3	321,000	517	209					
1	1	56,750	12	278										
1	1	50,000	12	290	1	1	1,476	14	250					
2	2	12,320	6	121										
7	7	1,976,374	151	189										
5	5	239,079	34	234										
91	100	15,195,150	1,098	189	69	83	8,623,522	5,163	209	14	15	5,024,768	501	233

TABLE 13—FATAL CASUALTIES.

Date.	Name.	Age.	Name of operator.	Industry.	Cause of death.
Mar. 25	Richard Brethauer..	64	Wedron Silica Co.....	Silica.....	Railway car.
May 28	Lloyd Wood.....	33	Marquette Cement Co.....	Limestone.	Falling rock.
July 1	Otto Eckert.....	45	National Brick Co.....	Shale and clay.	Machinery.
Sept. 18	F. D. Janssen.....	50	Hydraulic Press Brick Co.....	Shale and clay.	Fall of shale.
Sept. 20	Henry Lamporter.....	75	Mississippi Lime & Material Co.....	Limestone.....	Fall of rock.
Nov. 26	Louis Wochler.....	46	Elmhurst-Chicago Stone Co.....	Limestone.....	Machinery.
Dec. 1	George Hock.....	52	The Ohio Oil Co.....	Oil and gas.....	Erysipelas, resulting from injury.

TABLE 14—NON-FATAL ACCIDENTS.

Name of operator.	Industry.	Number injured.	Not returned to work.	Time lost by men returned to work, days.	
				Total.	Average.
Associated Producers Co.....	Oil and gas.....	4	-----	156	39
Big Creek Crushed Rock Co.....	Limestone.....	1	-----	33	33
Campbell Hill Brick Co.....	Shale and clay.....	1	-----	35	35
Casper Slate Quarry.....	Limestone.....	9	-----	107	12
Chicago Gravel Co.....	Sand and gravel.....	5	-----	16	3
Dolese & Shepard Co.....	Limestone.....	5	-----	86	17
Elmhurst-Chicago Stone Co.....	Limestone.....	4	-----	41	10
Fair, John, Co.....	Limestone.....	1	-----	10	10
Federal Stone Co.....	Limestone.....	12	-----	92	8
Illinois Clay Co.....	Shale and clay.....	1	-----	105	105
Illinois Sand & Gravel Co.....	Sand and gravel.....	6	-----	68	11
International Silica Co.....	Silica.....	1	-----	40	40
Joliet Gravel Co.....	Sand and gravel.....	2	-----	13	7
Lincoln Crushed Stone Co.....	Limestone.....	3	-----	39	13
Marblehead Lime Co.....	Limestone.....	28	-----	144	5
Markgraf Stone Co.....	Limestone.....	2	1	2	2
Marquette Cement Mfg. Co.....	Limestone.....	2	-----	52	26
McGrath Sand & Gravel Co.....	Sand and gravel.....	12	3	73	8
McLaughlin Mining Co.....	Shale and clay.....	1	-----	15	15
Mississippi Lime & Material Co.....	Limestone.....	5	4	1	1
National Stone Co.....	Limestone.....	7	-----	54	8
Northwestern Terra Cotta Co.....	Shale and clay.....	1	-----	21	21
Ohio Oil Co.....	Oil and gas.....	30	1	789	27
O'Laughlin, A. C., Co.....	Limestone.....	11	-----	119	11
Poston Springfield Brick Co.....	Shale and clay.....	2	-----	48	24
Standard Building Material Co.....	Sand and gravel.....	1	-----	52	52
Standard Silica Co.....	Silica.....	14	1	338	26
Stocker Gravel & Construction Co.....	Sand and gravel.....	1	-----	25	25
Total.....		172	10	2,574	16

## DIVISION OF METAL MINES INSPECTION

The names, location, and output of the fluorspar mines located in Hardin County are shown in the following tables:

TABLE 1—NAME OF OPERATOR, LOCATION OF MINE, DEPTH OF SHAFT, METHOD OF MINING, UNDERGROUND HAULAGE AND METHOD OF HOISTING.

Name of operator.	Location of mine.		Depth of shaft in feet.	Method of mining.	Underground haulage.	Hoisting.
	Postoffice.	County.				
Benson Fluorspar Co.	Cave-in-Rock	Hardin	Drift	Machine	Mule	(a)
Franklin Fluorspar Co.	Rosiclare	Hardin	119	Hand and machine.	Man tram	Steam.
Hillside Fluorspar Mines	Rosiclare	Hardin	550	Machine	Hand	Electric.
Knight, Knight & Clark	Rosiclare	Hardin	120	Hand and machine.	Man tram	Steam.
Rosiclare Lead & Fluorspar Mining Co.	Rosiclare	Hardin	150	Machine	Motor	Electric.
Victory Fluorspar Mining Co.	Elizabethtown	Hardin	159	Machine	(a)	Steam.

(a) Not reported.

TABLE 2—PRODUCTION AND DISPOSITION OF OUTPUT, EXPLOSIVES USED, DAYS WORKED, AND NUMBER INJURED.

Name of operator.	Production tons.		Shipped to—			Pounds of dynamite used.	Employees.		Days worked.	Number injured.
	Fluorspar.	Lead.	Points in Illinois.	Other states.	Foreign countries.		Underground.	On surface.		
Benson Fluorspar Co.	15,458	3	86	10,621	-----	15,000	47	47	350	10
Franklin Fluorspar Co.	1,488	3	613	-----	-----	4,000	15	15	160	2
Hillside Fluorspar Mines	16,431	609	1,541	14,117	-----	100,250	65	50	295	16
Knight, Knight & Clark	3,500	-----	1,000	2,500	-----	6,000	10	8	250	-----
Rosiclare Lead & Fluorspar Mining Co.	27,678	93	4,164	23,579	-----	141,000	135	90	228	16
Victory Fluorspar Mining Co.	13,000	-----	13,000	-----	-----	(a)	14	16	239	1
Total	77,555	708	20,404	50,817	-----	266,250	286	226	262	45

(a) Not reported.

## REPORT OF STATE MINING BOARD

The following lists show the names of the persons who passed the tests prescribed by the State Mining Board:

### STATE MINE INSPECTORS.

Name	Postoffice.	County.	Age.	Years experience.	Number of certificates.
Fraser, John K.....	Carlinville.....	Macoupin.....	52	40	135
Marshall, Harry K.....	Springfield.....	Sangamon.....	44	33	136
Menk, Hugh E.....	Staunton.....	Macoupin.....	45	30	137
Smith, Sidney.....	Staunton.....	Macoupin.....	35	20	138

### MINE EXAMINERS.

Name.	Post office.	County.	Age.	Years experience.	Number of certificate.
Aikman, L. E.....	Staunton.....	Macoupin.....	34	14	1,735
Airhart, Buren L.....	Georgetown.....	Vermilion.....	30	4	1,754
Alderson, R. E.....	Gillespie.....	Macoupin.....	25	5	1,769
Banko, Mike.....	Valier.....	Franklin.....	45	22	1,743
Biscontine, Wm.....	Springfield.....	Sangamon.....	27	7	1,764
Bryant, Geo.....	Springfield.....	Sangamon.....	25	6	1,707
Byran, Chas. Jr.....	Westville.....	Vermilion.....	22	6	1,710
Campbell, Ray.....	Duquoin.....	Perry.....	32	16	1,716
Clarke, Chas. M.....	Peoria.....	Peoria.....	24	5	1,738
Colebrook, Chas.....	Benton.....	Franklin.....	42	22	1,756
Collins, Ernest.....	Duquoin.....	Perry.....	25	8	1,725
Connolly, Edw.....	Benton.....	Franklin.....	26	13	1,752
Chappell, Frank.....	Wilsonville.....	Macoupin.....	23	7	1,759
Crosley, John.....	Christopher.....	Franklin.....	27	12	1,745
Crouch, Melvin.....	Gillespie.....	Macoupin.....	27	8	1,740
Crow, Clarence.....	West Frankfort.....	Franklin.....	37	18	1,728
Davis, Chas. N.....	Valier.....	Franklin.....	32	14	1,742
Dalozotto, Albino.....	Mt. Olive.....	Macoupin.....	23	7	1,703
Davidson, Armstrong.....	Mt. Olive.....	Macoupin.....	33	13	1,702
Dominetto, Thomas.....	Mt. Olive.....	Macoupin.....	25	10	1,700
Duncan, Alex.....	Benld.....	Macoupin.....	29	13	1,748
Duncan, George.....	Wilsonville.....	Macoupin.....	27	13	1,697
Dunnigan, Bernard.....	Johnston City.....	Williamson.....	29	14	1,750
Eckles, Omar.....	Valier.....	Franklin.....	28	12	1,744
Edmiston, Robt. J.....	Livingston.....	Madison.....	24	8	1,698
Edmonson, Ray.....	Zeigler.....	Franklin.....	28	9	1,768
Edwards, John R.....	Georgetown.....	Vermilion.....	28	12	1,755
Fenton, Donald.....	Danville.....	Vermilion.....	24	6	1,709
Garwood, Thos. W.....	West Frankfort.....	Franklin.....	27	10	1,730
Gibbons, Myrle F.....	Gillespie.....	Macoupin.....	24	8	1,734
Giles, Wm. L.....	Marion.....	Williamson.....	33	10	1,771
Gray, James Jr.....	Zeigler.....	Franklin.....	36	20	1,720
Jelly, Walter.....	Royalton.....	Franklin.....	30	12	1,718
Johnson, Oscar.....	Springfield.....	Sangamon.....	31	11	1,772
Johnson, Wm. J.....	Christopher.....	Franklin.....	37	11	1,723
Hunter, Fred.....	Benton.....	Franklin.....	35	22	1,737

## MINE EXAMINERS—Concluded.

Name.	Post office.	County.	Age.	Years experience.	Number of certificate.
Kane, John.....	Eldorado.....	Saline.....	46	33	1,708
Kennedy, Alex.....	Eldorado.....	Saline.....	30	14	1,711
Kabureck, Henry.....	Belleville.....	St. Clair.....	27	9	1,724
Korando, Oliver E.....	Zeigler.....	Franklin.....	27	9	1,770
Lauzeratti, Julius.....	Mt. Olive.....	Macoupin.....	31	15	1,704
Marley, Joe.....	West Frankfort.....	Franklin.....	33	16	1,726
Maurer, Frank.....	Valier.....	Franklin.....	30	18	1,699
Maynard, F. R., Jr.....	Harrisburg.....	Saline.....	29	12	1,715
McCauley, A. J.....	Royalton.....	Franklin.....	25	9	1,721
McFarland, John.....	Royalton.....	Franklin.....	35	17	1,758
McGovern, Joe E.....	Benton.....	Franklin.....	26	12	1,767
McKeehan, John.....	Gillespie.....	Macoupin.....	30	14	1,746
McKenna, James.....	Harrisburg.....	Saline.....	31	15	1,749
McPhail, Mathew.....	West Frankfort.....	Franklin.....	35	20	1,706
O'Grady, A. T.....	Christopher.....	Franklin.....	29	14	1,741
O'Neill, John.....	Gillespie.....	Macoupin.....	30	14	1,747
O'Neill, Patrick J.....	Gillespie.....	Macoupin.....	24	10	1,732
O'Keefe, Thos.....	Duquoin.....	Perry.....	33	17	1,727
Peradotto, Dominic.....	Mt. Olive.....	Macoupin.....	25	10	1,701
Perkins, Frank.....	Gillespie.....	Macoupin.....	36	27	1,731
Perkins, Taylor.....	Eldorado.....	Saline.....	40	20	1,719
Pinson, McKinley.....	Royalton.....	Franklin.....	31	14	1,757
Piper, S. L.....	Valier.....	Franklin.....	38	16	1,722
Poole, Joe S.....	Eldorado.....	Saline.....	30	7	1,714
Pratt, S. M.....	Gillespie.....	Macoupin.....	29	11	1,733
Ramsay, Thos. Jr.....	West Frankfort.....	Franklin.....	25	10	1,705
Reed, Paul.....	Springfield.....	Sangamon.....	30	13	1,763
Richardson, Samuel.....	Westville.....	Vermilion.....	31	14	1,713
Scanlon, Wendell P.....	Nashville.....	Washington.....	24	8	1,751
Shanaford, Eura.....	Christopher.....	Franklin.....	31	9	1,739
Shillaw, Andrew.....	West Frankfort.....	Franklin.....	48	34	1,753
Sharpe, Edward.....	Benton.....	Franklin.....	31	19	1,765
Small, Walter M.....	Panama.....	Montgomery.....	37	23	1,761
Spittler, Vern.....	West Frankfort.....	Franklin.....	27	11	1,760
Sutton, Orval.....	Panama.....	Montgomery.....	32	5	1,717
Taggart, Michael.....	Eldorado.....	Saline.....	39	24	1,712
Taroli, Edward.....	West Frankfort.....	Franklin.....	37	25	1,736
Washington, George.....	West Frankfort.....	Franklin.....	40	29	1,729
Wondrak, Jas.....	Panama.....	Montgomery.....	40	26	1,762
Warren, Ralph.....	Springfield.....	Sangamon.....	43	11	1,766

## ELECTRICAL HOISTING ENGINEERS—FIRST CLASS.

Name.	Post office.	County.	Age.	Years experience.	Number of certificate.
Altig, James.....	Greenville.....	Menard.....	51	4	415
Beardon, Isaac.....	Marion.....	Williamson.....	30	4	413
Biby, Fred A.....	Pinckneyville.....	Perry.....	39	7	417
Bolinski, Felix.....	Pinckneyville.....	Perry.....	22	8 mo.	419
Bowers, Wm.....	Dowell.....	Jackson.....	21	4	412
Cannon, Frank Jr.....	Peoria.....	Peoria.....	26	4	410
Christy, Ralph W.....	Harrisburg.....	Saline.....	31	10	420
Davidson, Fred.....	Duquoin.....	Perry.....	32	10	406
Grieve, Wm. H.....	Springfield.....	Sangamon.....	29	2	422
Harrison, John.....	Coulterville.....	Randolph.....	43	25	404
Hillery, John T.....	St. David.....	Fulton.....	54	34	408
Karnes, Marsh.....	West Frankfort.....	Franklin.....	45	2	414
Kelly, Roy E.....	Coulterville.....	Randolph.....	27	10	405
Lewis, Howard.....	Buckner.....	Franklin.....	38	15	407
May, W. P.....	Staunton.....	Macoupin.....	40	20	403
Patrick, Virgil H.....	Duquoin.....	Perry.....	22	4	418
Poss, Harvey.....	Mapleton.....	Peoria.....	39	7	411
Stedman, Edgar.....	Georgetown.....	Vermilion.....	54	5	416
Wood, Alfred J.....	Springfield.....	Sangamon.....	38	14	409
Zellers, George.....	Belleville.....	St. Clair.....	54	16	421

## ELECTRICAL HOISTING ENGINEERS—SECOND CLASS.

Name.	Post office.	County.	Age.	Years experience.	Number of certificate.
Baxter, Neil.....	Canton.....	Fulton.....	45	1	126
Pschirrer, Frank.....	Canton.....	Fulton.....	22	1	125
Reynolds, John.....	Loami.....	Sangamon.....	39	8	123
Stone, Elmer A.....	Kewanee.....	Henry.....	24	1	127
Williams, John R.....	Campbell Hill.....	Jackson.....	61	1	124

## STEAM HOISTING ENGINEERS—FIRST CLASS.

Name.	Post office.	County.	Age.	Years experience.	Number of certificate.
Bearden, Isaac.....	Marion.....	Williamson.....	31	2	650
Bird, Vernie.....	Pinckneyville.....	Perry.....	42	2	651
Busby, Paul M.....	Panama.....	Bond.....	39	15	646
Cantrell, B. L.....	Coulterville.....	Randolph.....	33	6	639
Cunningham, R. E.....	Assumption.....	Christian.....	47	16	649
Dressendorf, H. L.....	Springfield.....	Sangamon.....	33	3	642
Forester, Leonard.....	Glen Carbon.....	Madison.....	44	2	648
Lampe, Ben A.....	Germantown.....	Clinton.....	28	7	645
McCray, Fred J.....	Loami.....	Sangamon.....	34	3	644
Patrick, Virgil.....	Duquoin.....	Perry.....	21	3	640
Pierce, Ernest.....	Royalton.....	Franklin.....	30	2	643
Thackston, C. N.....	Glen Carbon.....	Madison.....	43	2	647
Young, Clifford W.....	Marion.....	Williamson.....	26	6	641

## STEAM HOISTING ENGINEERS—SECOND CLASS.

Name.	Post office.	County.	Age.	Years experience.	Number of certificate.
Ackers, Earl.....	Rushville.....	Schuyler.....	33	4	140
Baker, George.....	Alexis.....	Warren.....	36	1	145
Blakeman, Mose D.....	Pleasant Plains.....	Sangamon.....	33	2	144
Edwards, Robert R.....	Tallula.....	Menard.....	40	6	150
Higgerson, Edw.....	Campbell Hill.....	Jackson.....	31	1	152
Lewis, Ralph.....	Tallula.....	Menard.....	24	2	148
Morrell, Leo E.....	Rushville.....	Schuyler.....	32	3	142
Nagelshmidt, John.....	Paris.....	Edgar.....	48	3	149
Nelson, Giles.....	Knoxville.....	Knox.....	24	1	146
Poli, Frank.....	Greenfield.....	Green.....	28	3	141
Schmidgall, Frank.....	DeSoto.....	Jackson.....	51	2	147
Stevenson, C.....	Fiatt.....	Fulton.....	32	2	143
Stevenson, Samuel D.....	Sparta.....	Randolph.....	38	1	151

## FIRST CLASS MINE MANAGER.

Name.	Post office.	County.	Age.	Years experience.	Number of certificate.
August, Everet J	Taylorville	Christian	24	5	1,405
Bailey, Wm.	Sesser	Franklin	29	14	1,394
Belcher, Frank	Zeigler	Franklin	46	30	1,423
Bierbusse, Chas.	Springfield	Sangamon	46	30	1,430
Bullett, Joseph	Springfield	Sangamon	27	12	1,429
Butcher, Romeo	Mt. Olive	Macoupin	42	22	1,432
Carter, Dale	Zeigler	Franklin	37	10	1,413
Cordan, Albert	Duquoin	Perry	40	24	1,485
Cunningham, L. E.	Edwardsville	Madison	34	10	1,388
Cusak, Raymond	Edwards	Peoria	31	10	1,381
Davidson, Armstrong	Mt. Olive	Macoupin	33	17	1,428
Devlin, Charles	Taylorville	Christian	29	12	1,407
Dominetto, Thomas	Mt. Olive	Macoupin	38	26	1,499
Duncan, George	Wilsonville	Macoupin	28	14	1,426
Dukes, Bert	Georgetown	Vermilion	37	12	1,389
Edmiston, Robt. J.	Livingston	Madison	25	9	1,424
Erlinger, Elmer J.	Belleville	St. Clair	39	24	1,403
Garwood, Thos.	West Frankfort	Franklin	27	12	1,416
Gibbons, Myrle F.	Gillespie	Macoupin	24	8	1,433
Gladders, M. L.	West Frankfort	Franklin	27	8	1,382
Gray, James Jr.	Zeigler	Franklin	37	20	1,414
Gray, John	Zeigler	Franklin	39	25	1,383
Hatch, F. L.	Greenview	Menard	40	10	1,398
Herbert, Chas.	Vincennes, Ind		24	4	1,422
Hull, Marion	Tovey	Christian	60	45	1,395
Huston, Ira	Tovey	Christian	39	25	1,379
Kable, Geo	Moro	Madison	25	15	1,396
Kingston, Ray	Shelbyville	Shelby	39	27	1,409
Lang, Joseph M.	Hillsboro	Montgomery	39	18	1,393
Lanzerotti, Julius	Mt. Olive	Macoupin	32	17	1,427
Lete, Archilis	Danville	Vermilion	44	31	1,425
Maginnis, Joseph B.	Marion	Williamson	25	8	1,390
Manuel, Alfred	Roseville	Warren	45	30	1,384
Maurer, Frank	Valer	Franklin	30	18	1,408
Melville, Wm.	Marion	Williamson	25	8	1,390
McCauley, Albert	Royalton	Franklin	26	10	1,417
O'Neil, Patrick J.	Gillespie	Macoupin	26	10	1,431
Pratt, Stewart M.	Mt. Olive	Macoupin	29	12	1,434
Prudent, Norman C.	Zeigler	Franklin	26	10	1,411
Pryor, Ed.	Harrisburg	Saline	47	33	1,391
Pye, Warner	Bartonville	Peoria	36	10	1,397
Ramsey, Thos. Jr.	West Frankfort	Franklin	26	12	1,412
Roberts, Harry	Tovey	Christian	42	25	1,418
Rockman, Waldo	Freeburg	St. Clair	31	13	1,380
Rodden, Joseph W.	Tovey	Christian	42	25	1,418
Shannon, Michael	Johnston City	Williamson	34	21	1,410
Shearn, Wm. J.	Herrin	Williamson	36	10	1,404
Shears, Wm. L.	Glen Carbon	Madison	31	10	1,387
Sherward, Thos.	Catlin	Vermilion	40	14	1,421
Skeggs, Cedric J.	Eldorado	Saline	34	12	1,392
Smith, Harry N.	Riverton	Sangamon	30	15	1,400
Starks, Ray W.	Taylorville	Christian	26	6	1,406
Stein, Nicholas	Duquoin	Perry	44	28	1,419
Templeman, Herbert	West Frankfort	Franklin	35	20	1,415
Wilson, S. L.	Centralia	Marion	39	25	1,402
Wyatt, Walter	Duquoin	Perry	40	20	1,386

## MINE MANAGERS—SECOND CLASS.

Name.	Post office.	County.	Age.	Years experience.	Number of certificate.
Bernhart, L. Fred	Loami	Sangamon	33	16	717
Beebe, James F.	Rushville	Schuyler	29	7	710
Biereman, Herman	Edwards	Peoria	31	7	707
Brown, Harry	Danville	Vermilion	44	6	714
Cimo, John	Liverpool	Fulton	43	23	706
Donies, Fred J.	St. Johns	Perry	27	11	728
Dowiatt, Peter J.	Westville	Vermilion	58	20	709
Duncan, O. C.	Carriers Mills	Saline	45	25	702
Ebben, Clarence	Augusta	Hancock	46	25	729
Ebben, Vernon	Augusta	Hancock	24	6	727
Eddings, Wm.	Petersburg	Menard	32	10	703
Granger, C. A.	Gerlaw	Warren	37	18	725
Jones, C. O.	Danville	Vermilion	32	16	715
Kiefer, Glen A.	Edwards	Peoria	30	12	713
Kilgrove, Walter	Percy	Randolph	38	22	726
Lunk, Leo Jr.	Freeburg	St. Clair	29	13	718
Marine, John	Rushville	Schuyler	49	40	708
McConnel, F. H.	Fairmont	Vermilion	39	22	730
McHale, Ed. C.	Dayton	LaSalle	33	4	721
Perkins, Harry A.	Athens	Menard	30	10	719
Planque, Albert	Canton	Fulton	39	23	722
Schaffer, Dewey	Astoria	Fulton	30	5	705
Siegel, Frank	Oak Hill	Peoria	37	10	711
Stevenson, Clarence	Fiatt	Fulton	32	7	716
Thurman, Wm. H.	Catlin	Vermilion	45	27	723
Wilcoxon, Ross	Canton	Fulton	31	12	712
Wright, Leonard	Maquoin	Knox	24	8	720
Wilkinson, Edw.	DeSoto	Jackson	33	17	731
Wilson, Clarence	Pinckneyville	Perry	41	21	724
Yoakum, Otis	Athens	Menard	44	10	704













